



EPSON Stylus Photo 1200

Manual

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Introduction

Your EPSON Stylus® Photo 1200 printer is the ideal large format output device for digital photographs, graphics, layout proofs, and more. With resolutions up to 1440 by 720 dpi (dots per inch), six ink colors, and EPSON's award-winning Micro Piezo™ technology, you get amazingly realistic photographic images, vivid graphics, and razor-sharp black text.

The printer software for Microsoft® Windows® and Apple® Macintosh® provides advanced color management with adjustable brightness, contrast, and other settings. For even more precise color matching, use ColorSync™ 2.x or one of two Windows color management systems.

EPSON's specially formulated ink cartridges and wide variety of ink jet papers offer the most flexibility for getting the results you want. With built-in parallel, serial, and high-speed USB (Universal Serial Bus) ports, setting up your printer is fast and easy.

This chapter gives general printer information in these sections:

- [Windows System Requirements](#)
- [Macintosh System Requirements](#)
- [Printer Parts](#)
- [How To Use Your Manuals](#)
- [Energy Star Compliance](#)
- [Year 2000 Ready](#)
- [Important Safety Instructions](#)

Windows System Requirements

To use your printer and its software with a PC, your system should have:

- An IBM® compatible PC with at least a 486/25 MHz (for Windows 95 or Windows NT® 4.0), or 486/66 MHz (for Windows 98) processor
 - Microsoft Windows 95, Windows 98, or Windows NT 4.0
 - At least 16MB of RAM (32MB for Windows 95 or 98 or 64MB for Windows NT 4.0 recommended)
 - At least 50MB of free hard disk space (100MB recommended)
 - VGA, Super VGA, or better display adapter and monitor
 - Double-speed (2x) CD-ROM drive—quad-speed (4x) or faster recommended—for installing the printer software
 - For parallel connection, a high-speed, bidirectional, IEEE-1284 compliant parallel cable (6 to 10 feet long). The cable must have a D-SUB, 25-pin, male connector for your computer and a 36-pin, Centronics® compatible connector for the printer.
- For USB connection to a computer with Windows 98 and a Windows 98 compliant USB port, a shielded USB “AB” interface cable, from Series A (computer) to Series B (printer) up to 6.5 ft. (2 meters) long.

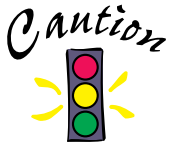


Using an improperly shielded USB cable—especially a cable more than 6.5 ft. (2 meters) long—may cause the printer to malfunction.

Macintosh System Requirements

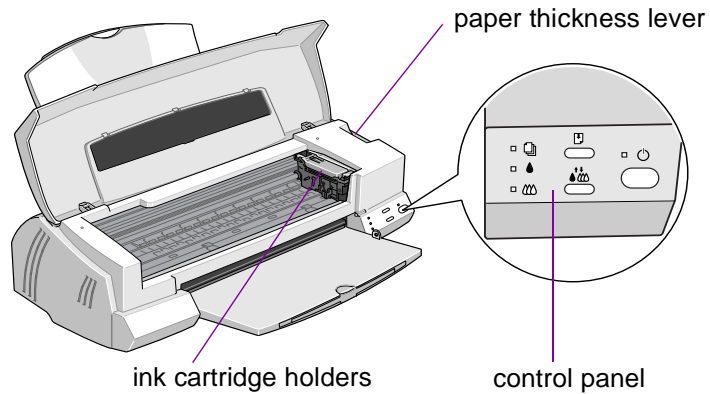
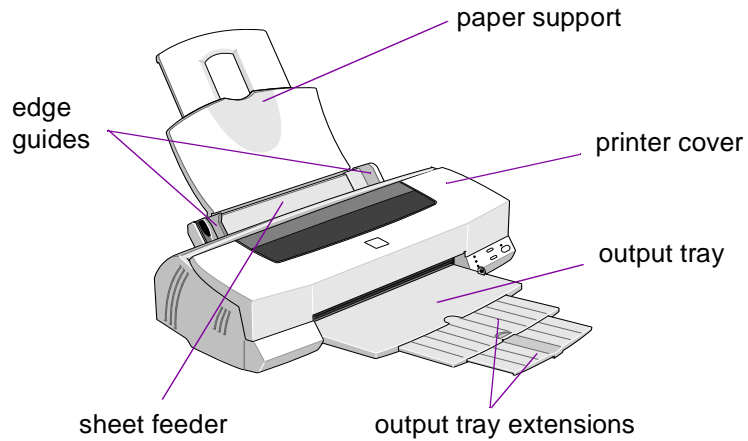
To use your printer and its software with a Macintosh, your system should have:

- ▶ One of the following Macintosh models:
 - LC475, LC575, LC630
 - Quadra series
 - Centris series
 - PowerBook® series (190, 520, 540, 550 or later)
 - PowerBook Duo 280, 2300c/100
 - Performa® 475, 575, 588, 630, 5210 or later
 - Power Macintosh series
 - iMac™ Series (for USB connection only)
- ▶ For serial connection: System 7.5.1 or later (7.6 or later recommended)
 - For USB connection: iMac Series computer with System 8.1 or later
- ▶ At least 16MB of available RAM
- ▶ At least 50MB of free hard disk space (100MB recommended)
- ▶ RGB display or better
- ▶ Double-speed (2x) CD-ROM drive—quad-speed (4x) or faster recommended—for installing the printer software
- ▶ For serial connection, an ImageWriter® II serial cable or equivalent (8-pin mini DIN male/male, Belkin F2V024 recommended)
 - For USB connection to an iMac computer, a shielded USB “AB” interface cable, from Series A (computer) to Series B (printer) up to 6.5 ft. (2 meters) long.



Using an improperly shielded USB cable—especially a cable more than 6.5 ft. (2 meters) long—may cause the printer to malfunction.

Printer Parts



How To Use Your Manuals

To set up your printer and install the printer software, see the *Start Here* card. This manual contains the following information:

[Basic Printing](#) covers the basics of printing with Windows or Macintosh.

[Custom Printing](#) tells you how to print using custom settings for print quality, color management, and distinctive layouts.

[Printing on Special Papers](#) gives guidelines for selecting the right paper or other media for your print job and instructions for loading it in your printer.

[Managing Print Jobs](#) explains how to control print jobs and check printer status while you're printing.

[Maintenance and Transportation](#) gives instructions for replacing ink cartridges, cleaning and aligning the print head, and cleaning and transporting the printer.

[Troubleshooting](#) provides solutions for problems you may have with your printer or software.

[Specifications](#) provides the technical details on your printer, ink cartridges, and EPSON papers.

To go right to the section you need, see the [Index](#).

Using Links

Maroon, underlined text indicates that the text is a link (cross-reference) to other parts of the manual. Click on the text to view the referenced information.

Warnings, Cautions, Notes, and Tips

You'll find this information throughout your manual:



Warnings must be followed carefully to avoid bodily injury.



Cautions must be observed to avoid damage to your equipment.



Notes contain important information about your printer.



Tips contain additional hints for great printing.



ENERGY STAR Compliance

As an ENERGY STAR Partner, EPSON has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

The EPA ENERGY STAR Office Equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.

Year 2000 Ready

Your EPSON printer is *Year 2000 Ready*. However, be sure the other parts of your computer system are also ready for the year 2000.



Always turn the printer off using the ⏻ power button. Don't switch off the power strip or unplug the printer until the ⏻ power light is off.

Important Safety Instructions

Before using your printer, read the following safety instructions to make sure you use the printer safely and effectively:

- ▶ Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.
- ▶ Do not place the printer on an unstable surface or near a radiator or heating vent.
- ▶ Do not block or cover the openings in the printer case or insert objects through the slots.
- ▶ Use only the type of power source indicated on the printer's label.
- ▶ Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- ▶ Place the printer near a wall outlet where the plug can be easily unplugged.

Placez l'imprimante près d'une prise de contact où la fiche peut être débranchée facilement.

- ▶ Do not let the power cord become damaged or frayed.

- ▶ If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the wall outlet's ampere rating.
- ▶ Except as specifically explained in this manual, do not attempt to service the printer yourself.
- ▶ Unplug the printer and refer servicing to qualified service personnel under the following conditions:

If the power cord or plug is damaged; if liquid has entered the printer; if the printer has been dropped or the cabinet damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.
- ▶ Do not put your hand inside the printer or touch the cartridge during printing.
- ▶ Under normal circumstances, ink will not come out of the cartridge. If it does get on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- ▶ Keep ink cartridges out of the reach of children.
- ▶ Do not dismantle the ink cartridges or try to refill them. This could result in damage to the print head.
- ▶ Once you install an ink cartridge, do not open the clamp or remove the cartridge except to replace it with a new one. The cartridge may become unusable otherwise.

- ▶ Install the ink cartridge immediately after you remove it from its foil package. Leaving the cartridge unpacked for a long time before use may result in reduced print quality.
- ▶ Do not use an ink cartridge beyond the date printed on the cartridge package. For best results, use up the ink cartridges within six months of installing them.
- ▶ Do not shake an ink cartridge; this can cause leakage.
- ▶ Always turn the printer off using the ⏻ power button. When you press this button, the ⏻ power light flashes briefly then goes out. Do not unplug the printer or turn off power to the printer until the ⏻ power light is off.
- ▶ Before transporting the printer, make sure the print head is positioned all the way to the right (capped) and the ink cartridges are in place.

Basic Printing

It's easy to print all your documents with your EPSON Stylus Photo 1200. First set up your printer and install the software, following the instructions in the *Start Here* card. Read this chapter to find out about:

- ▶ [Printing from Windows](#)
- ▶ [Printing from a Macintosh](#)

Printing from Windows

This section tells you about:

- ▶ [Printing from Windows Applications](#)
- ▶ [Setting Default Printer Options](#)
- ▶ [Checking Printer Status](#)

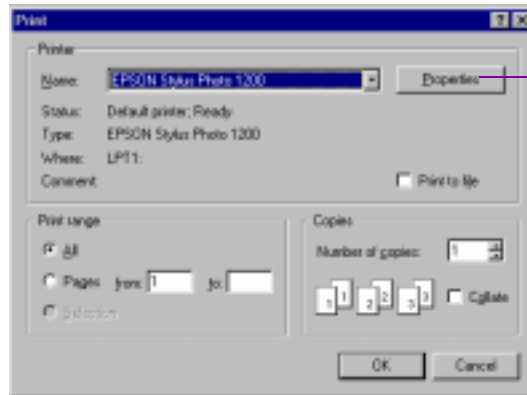
Printing from Windows Applications

This section describes the settings you'll need to check for all your everyday printouts. See [Custom Printing](#) for information about advanced settings for special print jobs.

- 1 Open a Windows application and select a file you want to print.
- 2 Open the File menu and click **Print**. You see a Print dialog box such as this (depending on your application):



You can also set printer options by clicking **Print Setup** or **Page Setup** in the File menu, then clicking the **Properties** button. However, in most applications you'll then have to select a separate Print option or icon to print using your changes.

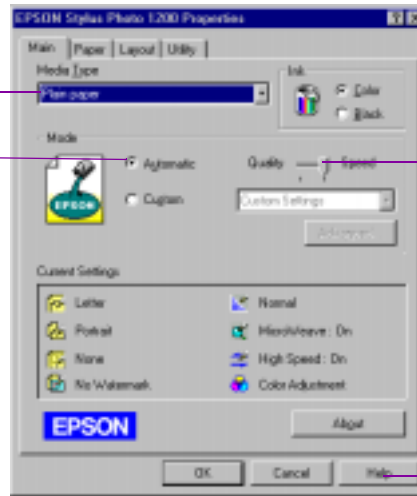


- 3 Make sure your EPSON Stylus Photo 1200 printer is selected, and then click the **Properties** button. (If you see a Setup, Printer, or Options button, click it instead. Then click **Properties** on the next screen.)

You see the printer settings dialog box:

Click to select
your paper type

Click to select
Automatic mode



Use the
Quality/Speed
slider to select
your print
resolution

Click for more
information



To print at the highest resolution (1440 dpi), you need to use plain paper, Photo Paper, one of the Photo Quality papers, or Ink Jet Back Light Film. For the best printing at any resolution, always use EPSON papers.

- 4 Click the **Main** tab if necessary. Then choose the **Media Type** you want to print on from the following list:

- ▶ **Plain paper**
- ▶ **360 dpi Ink Jet Paper**
- ▶ **Photo Quality Ink Jet Paper**
- ▶ **Photo Paper**
- ▶ **Photo Quality Glossy Film**
- ▶ **Ink Jet Transparencies**
- ▶ **Ink Jet Back Light Film**

The type of paper you choose determines the print quality (resolution) you can use. It's very important to select the correct setting for your paper. If you're not sure which to choose, see [Selecting the Right Settings for Your Paper](#).

- 5 Choose **Color** or **Black** ink.
- 6 Now make sure the Mode option is set to **Automatic**. This is the easiest way to get good printing results for all kinds of documents, on all types of paper.
- 7 Set the slider to **Quality** or **Speed**. This lets you choose between the fastest printing or a high resolution for the paper you're using.

To select 1440 dpi or any other available resolution for your paper, you need to access the Advanced dialog box; see [Customizing Print Quality and Special Effects](#) for instructions.

- 8 Click the **Paper** tab and choose your paper size, paper source, number of copies, orientation, and printable area settings. See [Selecting Paper Options in Windows](#) for instructions.
- 9 Click the **Layout** tab and check the reduce/enlarge, page layout, and watermark settings. See [Choosing Print Layout Options in Windows](#) for details.
- 10 Click **OK** when you're finished checking your settings. The dialog box closes. Click **OK** until you see the Print dialog box.
- 11 In the Print dialog box, click **OK** or **Print**.

While your document is printing, a window appears showing the printer status and the progress of your print job. See [Checking Printer Status](#) for more information.



The Quality/Speed slider is not available for certain paper types.

Setting Default Printer Options



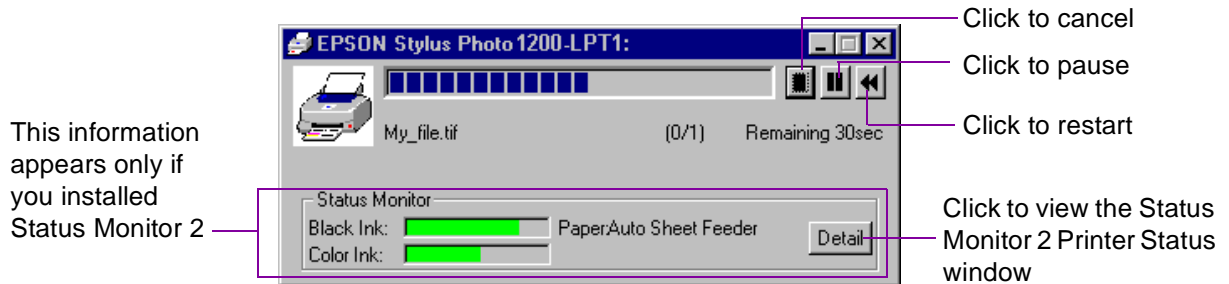
You can access the default Windows NT printer software settings only if you have the appropriate network access privileges, such as Administrator.

When you change printer settings through your software application, the settings apply only to the application you're using. To adjust the default settings for *all* your Windows applications, access your printer software through the Windows Printers utility. Close all your applications before you start. If you don't, you may have to close and reopen them to use the new default settings.

- 1 Click **Start**, point to **Settings**, and select **Printers**.
- 2 Right-click the **EPSON Stylus Photo 1200** icon.
- 3 Select **Properties** or **Document Defaults** (Windows NT), then click the **Main** tab. You see the printer settings dialog box shown under [Printing from Windows Applications](#) with some additional tabs at the top.
- 4 Change your settings as necessary. Then click **OK** to save the new settings as your Windows default settings.

Checking Printer Status

After you send a print job, the Progress Meter window appears on your screen to report how the job is doing:



The Progress Meter shows the progress of your print job and the status of your printer. You can use the buttons to cancel, pause, or restart your print job.

If you installed Status Monitor 2, you also see information about how much ink you have left and can view the Status Monitor 2 Printer Status window. See [Using Status Monitor 2](#) for more information.

You can also set up the way your printer software sends print jobs and select whether or not to display the Progress Meter; see [Optimizing Data Transfer](#) and [Displaying the Progress Meter](#) for instructions.



On the Macintosh, printer settings are saved with your document, but not from one application to another. If you want to reuse settings, you can create document templates for your favorite applications.

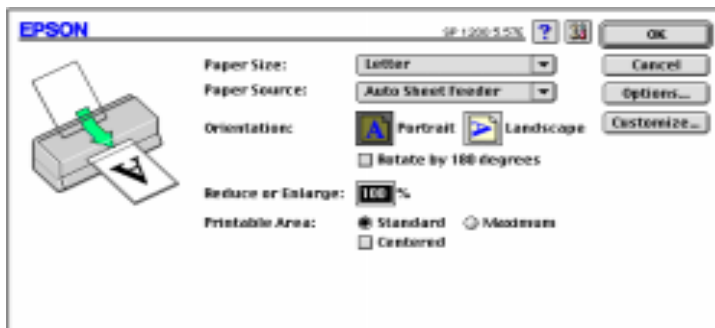
You can also create custom setting groups in your printer software that you can select each time you open an application. See [Saving Custom Settings](#) for details.

Printing from a Macintosh

When you print with a Macintosh, you need to check the printer software settings in each application you use. This section describes the settings you'll need to check for all your everyday printouts. See [Custom Printing](#) for information about advanced settings for special print jobs.

Follow these steps to print from a Macintosh:

- 1 Open a Macintosh application and select a file you want to print.
- 2 Open the File menu and click **Page Setup (Document Setup)** in some applications). You see the Page Setup dialog box:

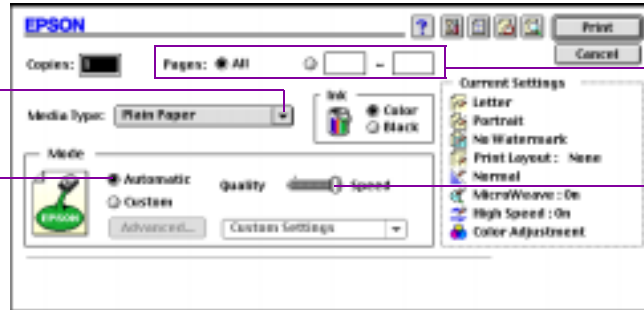


- 3 Choose your paper size, paper source, orientation, and other options as described in [Selecting Paper Options on a Macintosh](#) and click **OK**.
- 4 Now open the File menu and click **Print**.

You see the main printer settings dialog box:

Click to select
your paper
type

Click to
select
Automatic
mode



Select **All** or
enter a range
of pages to
print

Use the
Quality/Speed
slider to select
your print
resolution



To print at the highest resolution (1440 dpi), you need to use plain paper, Photo Paper, one of the Photo Quality papers, or Ink Jet Back Light Film. For the best printing at any resolution, always use EPSON paper.




- 5 Choose the number of copies and indicate which pages you want to print.
- 6 Choose the **Media Type** you want to print on from the following list:

- ▶ **Plain Paper**
- ▶ **360 dpi Ink Jet Paper**
- ▶ **Photo Quality Ink Jet Paper**
- ▶ **Photo Paper**
- ▶ **Photo Quality Glossy Film**
- ▶ **Ink Jet Transparencies**
- ▶ **Ink Jet Back Light Film**

The type of paper you choose determines the print quality you can use. It's very important to select the correct Media Type setting for your paper. If you're not sure which to choose, see [Selecting the Right Settings for Your Paper](#).



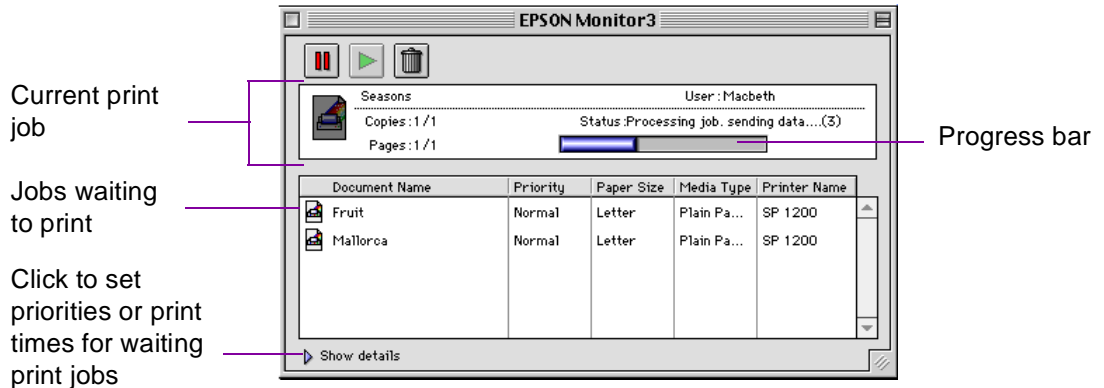
The Quality/Speed slider is not available for certain paper types.

- 7 Choose **Color** or **Black** ink.
- 8 Make sure the Mode option is set to **Automatic**. This is the easiest way to get good printing results for all kinds of documents, on all types of paper.
- 9 Set the slider to **Quality** or **Speed**. This lets you choose between the fastest printing or a high resolution for the paper you're using. To select 1440 dpi or any other available resolution for your paper, you need to access the Advanced dialog box; see [Customizing Print Quality and Special Effects](#) for instructions.
- 10 Click the  Layout icon and check the fit to page, watermark, page layout, and print order settings. See [Choosing Print Layout Options on a Macintosh](#) and [Selecting Print Order Options](#) for details. Then click **OK** to return to the printer settings dialog box.
- 11 Background printing lets you continue working while your document prints. To select background printing options before you print, click the  Background Printing icon. See [Using Background Printing on the Macintosh](#) for details.
- 12 If you want to preview your printout to view how the current layout, watermark, print order, and orientation settings look, click the  Preview icon, then click the **Preview** button. See [Using Print Preview on the Macintosh](#) for details.
- 13 Click **Print** when you're finished checking your settings.

If you turned on background printing, you can continue working while your document is printing. While printing, a window appears showing the printer status and the progress of your print job. See [Checking Printer Status](#) for details.

Checking Printer Status




If you turned on background printing, EPSON Monitor3 automatically displays this dialog box when you send a print job to the printer:



When background printing is turned off, you can cancel your print job by pressing the **⌘** and . (period) keys.

You can use the Monitor3 dialog box to check on your print jobs and cancel, pause, or restart them.

The progress bar tracks the progress of the current print job. To pause, cancel, or restart a print job (either the current one or any job waiting to print), click the document's name to highlight it. Then click one of the following buttons:

- click  to cancel
- click  to pause
- click  to restart

See [Using Monitor3](#) for details on all the EPSON Monitor3 features.

Custom Printing

When your presentation graphics, photographs, or other projects have special printing requirements, you can use the custom settings in your EPSON Stylus Photo 1200 software. You can choose custom project types or adjust individual settings like brightness, contrast, sharpness, and halftoning. For professional-quality color accuracy, you can use a color matching mode.

Your printer software's print layout options let you print almost any size image on your printer, proof multiple pages on one sheet of paper, and add watermarks.

This chapter includes the following information:

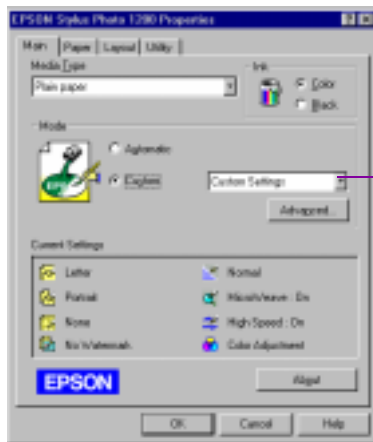
- [Using Custom Project Types](#)
- [Customizing Print Quality and Special Effects](#)
- [Customizing Color Settings](#)
- [Using ColorSync on the Macintosh](#)
- [Selecting Paper Size and Orientation Options](#)
- [Selecting Print Layout Options](#)
- [Using Print Preview on the Macintosh](#)
- [Using Background Printing on the Macintosh](#)
- [Saving Custom Settings](#)

Using Custom Project Types

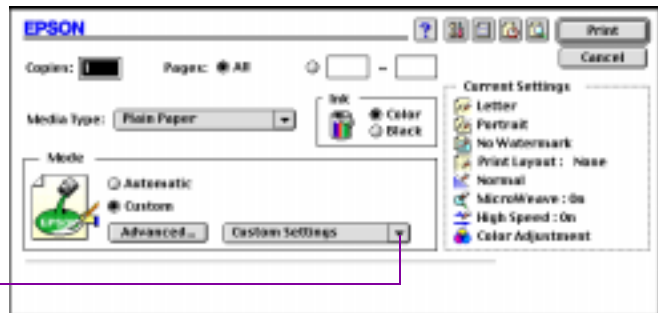
Custom project types provide an easy way to fine-tune your printer settings for a specific type of project. Follow these steps to print with custom project types:

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#). You see one of the following:

Click **Custom**, then click here to see a list of project types



Windows



Macintosh

- 3 Choose the **Media Type** you want to print on. (If you're not sure which setting to choose, see [Selecting the Right Settings for Your Paper.](#))
- 4 Choose **Color** or **Black** ink.



Always choose your Media Type and Ink setting before you select a custom project type. Some project types may not be available with the Media Type or Ink settings you choose.

Printing using PhotoEnhance3 may take longer with some systems and images.

Don't select PhotoEnhance3 when you're printing on Banner Photo Paper.

- 5 Click **Custom**, then click **Custom Settings**. You see a list of project types.
- 6 Choose the right setting for your project and Media Type, following these guidelines:
 - ▶ **PhotoEnhance3**
For printing images captured using a video camera, digital camera, or scanner. Produces sharper images and more vivid colors by automatically adjusting the contrast, saturation, and brightness. Corrects for overall under- or over-exposure of the original image.
 - ▶ **Digital Camera**
For printing images captured using a scanner or digital camera. Corrects noise and other common flaws.
 - ▶ **Text/Graph**
For printing graphics-intensive documents like presentation pages with charts and graphs. Intensifies colors and lightens the midtones and highlights.
 - ▶ **Text**
For fast printing of text-only documents on plain paper.
 - ▶ **Economy**
For rough drafts of text on plain paper. Saves ink.
 - ▶ **ICM** (Image Color Matching; Windows 95 and Windows 98 only)
For printing documents created in an ICM compatible application. If you're using an ICM compatible monitor, adjusts printed colors to closely match the screen colors.

- ▶ **sRGB** (standard Red Green Blue; recommended only with Windows 98)

For printing documents created in an sRGB compatible application using sRGB colors, such as those designed for the World Wide Web. Before using this setting, set up your sRGB compatible devices (such as your monitor and printer) to use an sRGB color profile; see your Windows 98 online help for details.

- ▶ **ColorSync** (Macintosh only)

Automatically adjusts printout colors to closely match the colors on your screen. For more information, see [Using ColorSync on the Macintosh](#).

- 7 In Windows, click the **Paper** and **Layout** tabs to check or change any necessary settings, as described in [Selecting Paper Options in Windows](#) and [Choosing Print Layout Options in Windows](#).

On a Macintosh, check or change any necessary settings on the Page Setup and the Layout dialog boxes as described in [Selecting Paper Options on a Macintosh](#) and [Choosing Print Layout Options on a Macintosh](#).

- 8 When you're finished, click **OK** (Windows) or **Print** (Macintosh). Click any other buttons that your application uses for printing, if necessary.



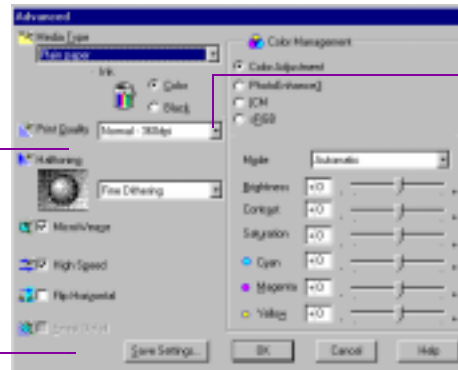
After you customize your print settings for a special project, you can save them as a group. Then you can reuse them whenever you print a similar project. See [Saving Custom Settings](#) for instructions.

Customizing Print Quality and Special Effects

If you need the maximum control over your project, or you want to experiment with special effects, you can adjust the custom settings in your printer software. Follow these steps:

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom**, and then click the **Advanced** button. You see the Advanced dialog box:

Some of these options are automatically set or disabled by other settings you choose

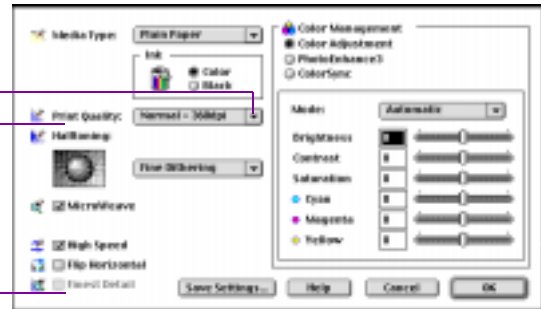


Click here to change your Print Quality (resolution)

Windows

Click here to change your Print Quality (resolution)

Some of these options are automatically set or disabled by other settings you choose



Macintosh



The available Print Quality settings may be limited by the Media Type you choose.

- 4 Choose the **Media Type** and **Ink** settings you want to use, following the guidelines in [Printing from Windows](#) and [Printing from a Macintosh](#).
- 5 Choose one of the following **Print Quality** options:
 - ▶ **Economy**
For low-resolution rough drafts on plain paper. Saves ink.
 - ▶ **Normal - 360 dpi**
For most documents on plain paper, transparencies, or 360 dpi Ink Jet Paper.
 - ▶ **Fine - 720 dpi**
For high-resolution output on Photo Paper or Photo Quality Ink Jet Paper. Recommended for printing graphics and solid areas of color.
 - ▶ **Photo - 720 dpi**
For high-resolution output on plain paper, Photo Paper, Photo Quality papers, or Back Light Film. Recommended for delicate shading of lighter colors.



In Automatic mode, the Halftoning setting is selected based on the data in your print job. In Custom mode, Halftoning is preselected for each project type setting.

Some of the print option checkboxes in the Advanced dialog box are automatically selected or disabled by the Print Quality (resolution) you choose.

► **Photo - 1440 dpi**

For the highest-resolution output on plain paper, Photo Paper, Photo Quality papers, or Back Light Film.

6 Choose one of the following **Halftoning** options:

► **Error Diffusion**

For printing photographic images. Blends each color dot with the dots around it.

► **Fine Dithering**

For printing graphs or other images that require precise, solid areas of bright colors.

7 Choose any of the following print options:

► **MicroWeave**

For improved print quality. Prints graphic data in finer increments to eliminate unwanted banding (light horizontal lines). Always use for color printing.

► **High Speed**

For fast, bidirectional printing at lower quality. If vertical lines in your printout are misaligned when you use the High Speed setting, you may need to turn it off or align the print head; see [Aligning the Print Head](#) for instructions.

► **Flip Horizontal**

For printing a mirror image of your document. Use with iron-on transfer paper so your ironed-on printout will read correctly.

► **Finest Detail**

For printing text, graphics, and line art with very sharp edges. Slows print speed and increases your system memory requirements.

- 8 Click **OK** if you're ready to return to the printer settings dialog box, or see [Customizing Color Settings](#) if you want to adjust your document's color settings.

Customizing Color Settings

There are three ways to manage the color in your documents using your printer software:

- ▶ [Using PhotoEnhance3 and Digital Camera Correction](#) to automatically correct digital photographs for exposure and other common flaws, and to adjust the tone or sharpness
- ▶ [Using Custom Color Adjustment](#) to select individual color values to fine-tune the color in text, graphics, or economy mode documents
- ▶ [Using a Color Correction System](#) to match the printed output to your on-screen colors

The appearance of the Color Management section of the Advanced dialog box changes, depending on the settings you've selected.

Using PhotoEnhance3 and Digital Camera Correction

To correct the exposure, tone, and sharpness of digital images, you can use PhotoEnhance3 and/or Digital Camera Correction.

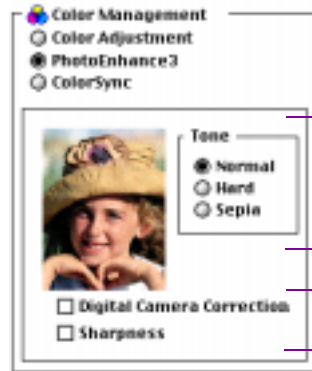
- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).



The Color Management section also changes to this view if you select the PhotoEnhance3 radio button in the Advanced dialog box.

Don't select PhotoEnhance3 when you're printing on Banner Photo Paper.

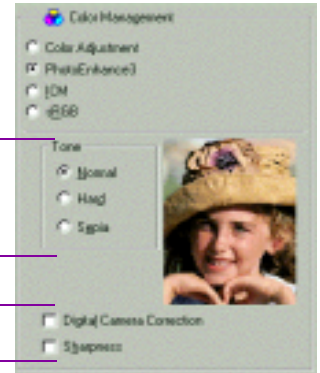
- 3 Click **Custom**, then select either **PhotoEnhance3** or **Digital Camera** as described in [Using Custom Project Types](#).
- 4 Click the **Advanced** button. The Color Management section of the Advanced dialog box appears as shown here:



Macintosh

Click to select a Tone setting, if necessary. Changes appear in the example photograph.

Click to turn on Digital Camera Correction and/or sharpen the image.



Windows

- 5 You can customize your image using these settings:
 - ▶ Select a Tone setting for your image: **Normal** for standard tones, **Hard** for high contrast, or **Sepia** for an old-fashioned photo look.
 - ▶ Turn on **Digital Camera Correction** to correct noise and other flaws common to digital camera images.
 - ▶ Select **Sharpness** to sharpen the image, especially the edges.
- 6 Click **OK** to return to the printer settings dialog box.

Using Custom Color Adjustment

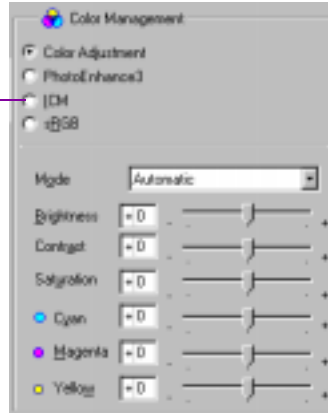
You can choose from several custom Color Adjustment modes or manually adjust brightness, contrast, saturation, and CMY (cyan, magenta, yellow) color values.

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom**, then either select **Text/Graph**, **Text**, or **Economy** as described in [Using Custom Project Types](#), or don't select any custom project type.
- 4 Click the **Advanced** button. The Color Management section of the Advanced dialog box appears as shown here:

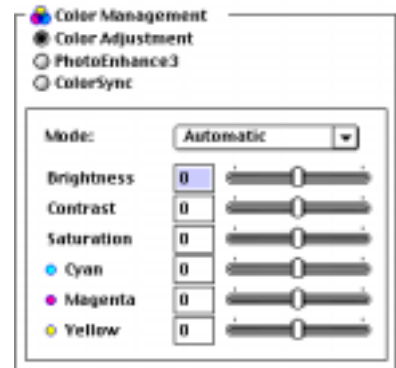


Click the Color Adjustment radio button if you don't see this view.

Not available with Windows NT



Windows



Macintosh

- 5 Choose one of the following **Color Adjustment** modes:
- ▶ **Automatic**
Analyzes the color information in your project and optimizes color correction accordingly.
 - ▶ **Photo-realistic**
For printing color photographs.
 - ▶ **Vivid**
For printing graphics-intensive documents like presentations with graphs. Intensifies colors and lightens the midtones and highlights.
 - ▶ **No Color Adjustment**
Disables the color adjustment features of the printer software so you can use other color management software.
- 6 If you want to specify individual color correction values, use the sliders to increase (drag right) or decrease (drag left) the settings listed below.
- ▶ **Brightness**
Makes your image lighter or darker.
 - ▶ **Contrast**
Increases or decreases the difference between the light and dark parts of an image.
 - ▶ **Saturation**
Makes colors more vivid or less vivid.
 - ▶ **Cyan, Magenta, Yellow**
Increases or decreases the amount of the three main ink colors that combine to make a full-color printout. The Cyan and Magenta settings also affect the light cyan and light magenta inks.
- 7 Click **OK** to return to the printer settings dialog box.

Using a Color Correction System

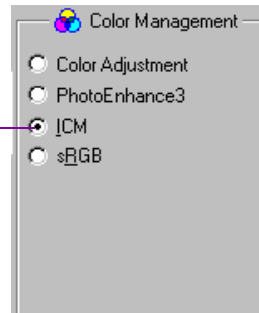
To achieve the maximum color accuracy, you can use Image Color Matching (ICM; Windows 95 and 98 only), standard Red Green Blue (sRGB; recommended only with Windows 98), or ColorSync (Macintosh only), if your system is set up to use them.

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 3 Click **Custom**, then select either **ICM** (Windows 95 or 98 only), **sRGB** (recommended only with Windows 98), or **ColorSync** (Macintosh only) as described in [Using Custom Project Types](#).
- 4 Click the **Advanced** button. The Color Management section of the Advanced dialog box appears as shown here:

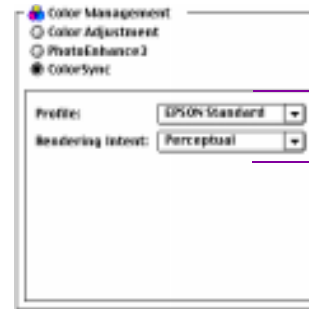


The Color Management section also changes to this view if you select the **ICM**, **sRGB**, or **ColorSync** radio button in the Advanced dialog box.

Not available with Windows NT



Windows



Macintosh

For details, see [Using ColorSync on the Macintosh](#)

- 5 Select one of these color correction systems:
 - ▮ **ICM** (Image Color Matching; Windows 95 and Windows 98 only)
For printing documents created in an ICM compatible application. If you're using an ICM compatible monitor, adjusts printed colors to closely match the screen colors.
 - ▮ **sRGB** (standard Red Green Blue; recommended only with Windows 98)
For printing documents created in an sRGB compatible application using sRGB colors, such as those designed for the World Wide Web. Before using this setting, set up your sRGB compatible devices (such as your monitor and printer) to use an sRGB color profile; see your Windows 98 online help for details.
 - ▮ **ColorSync** (Macintosh only)
Automatically adjusts printout colors to match colors on the screen. See [Using ColorSync on the Macintosh](#) for more information.
- 6 Click **OK** to return to the printer settings dialog box.

Using ColorSync on the Macintosh

Every device you use for producing or viewing colors—your monitor, scanner, and printer—employs a different color technology. The Macintosh ColorSync system helps you control all your devices so their colors match your printer's as closely as possible.



When you install your printer software, you automatically install the ColorSync profile for your printer. If your system doesn't have ColorSync, the installer also automatically installs ColorSync 2.0. If you already have ColorSync 2.0 or a later version, the installer doesn't install ColorSync.

ColorSync uses profile information from each device—including your EPSON Stylus Photo 1200 printer—to achieve accurate color matching. First you have to make sure your monitor's profile is set. Then you can use your printer software to specify the exact method of color matching you want to use.

Follow the steps below to set your monitor's ColorSync profile and use your printer software's ColorSync features. The steps may be different, or there may be additional steps, depending on your Macintosh OS version; see your Macintosh documentation for more information on setting up ColorSync.

- 1 Open the **ColorSync System Profile** under **Control Panels** on the Apple menu.
- 2 Click the **Set Profile** button.
- 3 Select your monitor from the list, and then click **Select**.
- 4 Close ColorSync System Profile.
- 5 Open an application and select a document to print.
- 6 Open the File menu and click **Print**.
- 7 Click **Custom**, then click **Advanced**. You see the Advanced dialog box.
- 8 Click the **ColorSync** radio button.
- 9 For **Profile**, choose **EPSON Standard**. This is the ColorSync profile created especially for your printer. *Don't choose any other printer profile you may have on your system.*



The Rendering Intent options may be limited by the Media Type you've selected.

10 Choose one of the following options for **Rendering Intent**:

▮ **Perceptual**

For printing scanned photographs. Maintains the relationship between colors as it scales them to fit within your printer's color gamut.

▮ **Saturation**

For printing graphics-intensive documents like presentation pages with charts and graphs. Maintains the relative saturation of colors from one gamut to another.

▮ **Colorimetric**

For all other document types. Maintains colors that fall within the gamut of both your monitor and printer.

11 Click **OK** to return to the printer settings dialog box.

Selecting Paper Size and Orientation Options

Your printer can print on paper up to 12.95 inches wide and up to 44 inches long in either portrait or landscape orientation. If you print multi-page documents or multiple copies of documents, you can print the pages collated and in reverse order. You can even rotate the printed document by 180 degrees to make it closer to the bottom of the paper.

Follow the steps in the section for your operating system:

▮ [Selecting Paper Options in Windows](#)

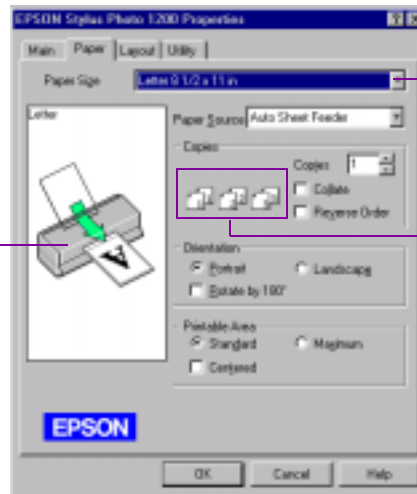
▮ [Selecting Paper Options on a Macintosh](#)

Selecting Paper Options in Windows

Follow these steps to select paper options on the Paper tab:

- 1 Create your image or document in your application software.
- 2 Access the printer settings dialog box as described in [Printing from Windows](#).
- 3 Click the **Paper** tab. You see the Paper dialog box:

Printer graphic reflects changes to Orientation and Printable Area settings



Click to select your Paper Size

Page graphics change to show Collate and Reverse Order settings



If the Reduce/Enlarge setting is set to Normal and you select one of the paper sizes to the right that is marked with an asterisk (*), you see a dialog box asking you to select a paper size that fits your printer. See [Reducing and Enlarging Your Document Size](#) for more information.

- 4 Click the **Paper Size** drop-down list to select the size of paper you loaded in the printer.

The sizes marked with an asterisk (*) are larger than you can load in the printer and can be used only with the **Reduce/Enlarge** setting on the Layout tab; see [Reducing and Enlarging Your Document Size](#) for more information.

A4 210 × 297 mm
A5 148 × 210 mm
A3 297 × 420 mm
Super A3/B 329 × 483 mm
B5 182 × 257 mm
B4 257 × 364 mm
US B 11 × 17 in
Letter 8 1/2 × 11 in
Legal 8 1/2 × 14 in
Executive 7 1/4 × 10 1/2 in
Half Letter 5 1/2 × 8 1/2 in
A6 Index card 105 × 148 mm
Index card 5 × 8 in

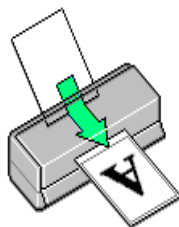
Index card 8 × 10 in
Envelope #10 4 1/8 × 9 1/2 in
Envelope DL 110 × 220 mm
Envelope C6 114 × 162 mm
Envelope 132 × 220 mm
Photo Paper 4 × 6 in
Panoramic 210 × 594 mm
B3 364 × 514 mm*
A2 420 × 594 mm*
US C 17 × 22 in*
User Defined (See [Creating User Defined Paper Sizes](#) for instructions.)

- 5 If you loaded Photo Paper that you cut from a roll, select **Banner** as the Paper Source setting. See [EPSON Banner Photo Paper](#) for instructions on preparing and loading roll paper. With Banner selected, you can't change the Collate, Reverse Order, Rotate by 180°, or Printable Area settings, or any Layout settings.

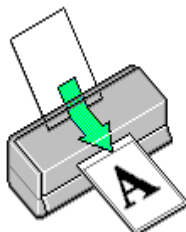
- 6 If you did not or cannot select the number of copies you want to print in your application program's Print dialog box, choose the number in the Copies box. Don't select the number of copies here and in your application's Print dialog box; you may get twice the number of copies you want.
- 7 If you're printing multiple copies of a multi-page document and you want the copies printed in sets, click the **Collate** checkbox. The page graphics change to show collated documents.
- 8 If you're printing a multi-page document and want the last page printed first so the pages come out without needing to be reordered, click the **Reverse Order** checkbox. The page graphics change to show later pages printing first.
- 9 Select the direction of printing on the page with the Orientation options. To print your document oriented as shown in one of the following illustrations, select the options listed below it.



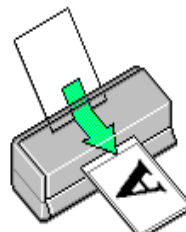
The Rotate by 180° setting lets you print the lower portion of a document first, with a bottom margin as small as 0.12 inch (3 mm) and a top margin as small as 0.55 inch (14 mm).



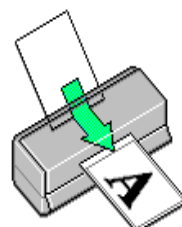
Portrait



Portrait and
Rotate by 180°



Landscape



Landscape and
Rotate by 180°



When you select Maximum as the Printable Area setting, print quality may decrease in the expanded printable area in the bottom margin.

Don't select Maximum as the Printable Area setting if you're printing on EPSON Ink Jet Back Light Film.

- 10 The Standard Printable Area setting uses the maximum printable area of your paper with a minimum bottom margin of 0.55 inch (14 mm). To decrease the minimum bottom margin to 0.12 inch (3 mm), set the Printable Area setting to **Maximum**. To center your document on the page using either setting, select the **Centered** checkbox.
- 11 Click a tab for the settings you want to check or change next, or click **OK** to print your document.

Creating User Defined Paper Sizes

You can create up to 10 custom paper sizes and add them to the Paper Size list using the User Defined option. This is useful if you're printing a custom size document, such as a banner. You can select any width from 3.5 to 12.95 inches, and any height (length) from 3.5 to 44 inches.

Follow these steps to create a User Defined paper size:

- 1 Follow the steps in [Printing from Windows](#) to access the printer software, then click the **Paper** tab.
- 2 Click the **Paper Size** list and scroll to the bottom of it using the arrows or scroll bar.
- 3 Click the **User Defined** option. You see the following dialog box:





The Paper Width and Paper Height units are in hundredth of an inch (or centimeter) increments. For example, 850 equals 8.50 inches.

- 4 Type a name (up to 24 characters) for your custom paper size in the Paper Size Name field. Then select a **Paper Width** and **Paper Height** for the paper. To use centimeters instead of inches, click the **0.01cm** option. When you're finished, click **Save**. The paper size name appears in the Paper Size list in the dialog box. Add more sizes if you want, and click **OK** when you're done.
- 5 You see the Paper tab again. The paper size name you defined is added to the Paper Size list and selected as the current setting.
- 6 Click a tab for the settings you want to check or change next, or click **OK** to print your document.

Changing or Deleting a Custom Paper Size

- 1 Click **User Defined** in the Paper Size list.
- 2 In the User Defined Paper Size dialog box, select the custom paper name in the Paper Size list and change the **Paper Width**, **Paper Height**, and **Unit** settings as necessary, or click **Delete**.
- 3 Click **OK** when you're done.

Selecting Paper Options on a Macintosh

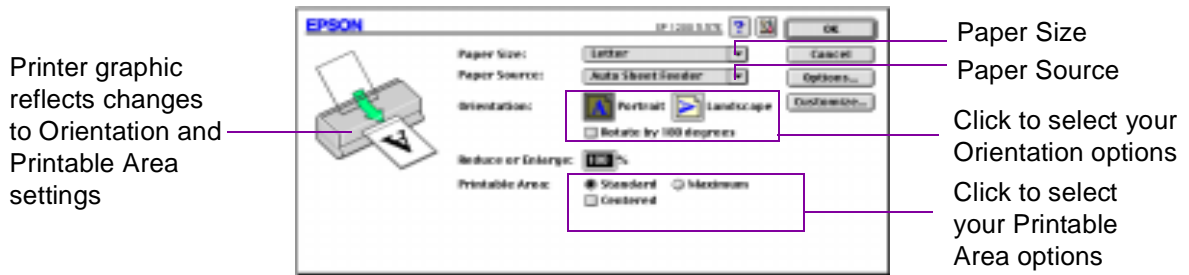
The Paper Size and Orientation options for your printer software are on the Page Setup dialog box. The options for collating and reversing the page order are on the Layout dialog box. Follow the steps in these sections for selecting the paper options:

- ▮ [Choosing Paper Size and Orientation Options](#)
- ▮ [Selecting Print Order Options](#)

Choosing Paper Size and Orientation Options

Follow these steps to select the Paper Size and Orientation:

- 1 Create your image or document in your application software.
- 2 Open the File menu and select **Page Setup**. You see the Page Setup dialog box:



- 3 Click the **Paper Size** pop-up list to select the size of paper you loaded.

A4 (210 × 297 mm)
A5 (148 × 210 mm)
A3 (297 × 420 mm)
Super A3/B (329 × 483 mm)
B5 (182 × 257 mm)
B4 (257 × 364 mm)
US B (11 × 17 in)
Letter (8 1/2 × 11 in)
Legal (8 1/2 × 14 in)
Executive (7 1/4 × 10 1/2 in)

Half Letter (5 1/2 × 8 1/2 in)
A6 Index card (105 × 148 mm)
Index card 5 × 8 in
Index card 8 × 10 in
Envelope #10 (4 1/8 × 9 1/2 in)
Envelope DL (110 × 220 mm)
Envelope C6 (114 × 162 mm)
Envelope 132 × 220 mm
EPSON Photo Paper 4 × 6 in
Panoramic 210 × 594 mm

If you don't see the exact size you need, you can create a custom paper size; see [Creating Custom Paper Sizes](#).

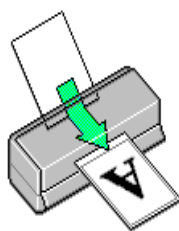


The Rotate by 180° setting lets you print the lower portion of a document first, with a bottom margin as small as 0.12 inch (3 mm) and a top margin as small as 0.55 inch (14 mm).

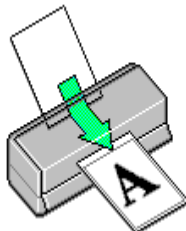
When you select Maximum as the Printable Area setting, print quality may decrease in the expanded printable area in the bottom margin.

Don't select Maximum as the Printable Area setting if you're printing on EPSON Ink Jet Back Light Film.

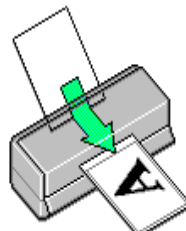
- 4 If you loaded Photo Paper that you cut from a roll, select **Banner** as the Paper Source setting. See [EPSON Banner Photo Paper](#) for instructions on preparing and loading roll paper. With Banner selected, you can't change the Collate, Reverse Order, Rotate by 180°, or Printable Area settings, or any Layout settings.
- 5 Select the direction of printing on the page with the Orientation options. To print your document oriented as shown in one of the following illustrations, select the options listed below it.



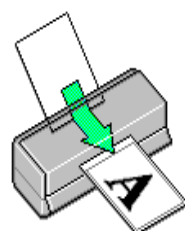
Portrait



Portrait and
Rotate by 180°



Landscape



Landscape and
Rotate by 180°

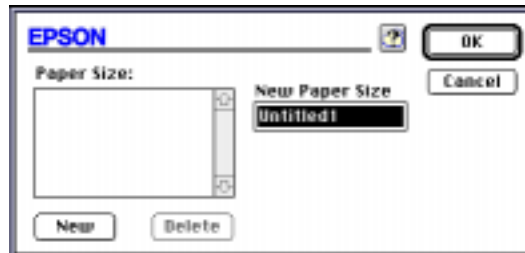
- 6 The Standard Printable Area setting uses the maximum printable area of your paper with a minimum bottom margin of 0.55 inch (14 mm). To decrease the minimum bottom margin to 0.12 inch (3 mm), set the Printable Area setting to **Maximum**. To center your document on the page using either setting, select the **Centered** checkbox.
- 7 To collate multiple copies of a multi-page document or reverse the order in which pages are printed, see [Selecting Print Order Options](#).

If you've finished selecting options, click **OK** to close the Page Setup dialog box. Then select **Print** from the File menu to print your document.

Creating Custom Paper Sizes

You can create up to 8 custom paper sizes and add them to the Paper Size list. This is useful if you're printing a custom size document, such as a banner. You can select any width from 3.5 to 12.95 inches, and any height (length) from 3.5 to 44 inches.

- 1 Open your application's File menu and select **Page Setup**.
- 2 Click the **Customize** button. You see the following dialog box:



- 3 Click the **New** button. **Width** and **Height** fields and **Inches** and **cm** radio buttons appear on the screen.
- 4 Type the width and length of your custom paper in the **Width** and **Height** fields. If you need to change from inches to centimeters, click the **cm** radio button.




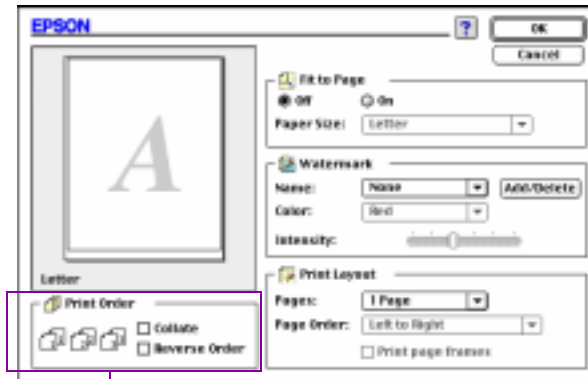
To delete a custom paper size, click the **Customize** button. Then click the name of the custom paper size and click **Delete**.

- 5 Type a name for your paper size in the **New Paper Size** field, then click **OK**. The name is added to the Paper Size list and selected as the current setting in the Page Setup dialog box.
- 6 Click **OK** to return to the Page Setup dialog box.

Selecting Print Order Options

Follow these steps to use the Collate and Reverse Order options:

- 1 Open your application program's File menu and select **Print**.
- 2 Click the  Layout icon. You see the Layout dialog box:



Print Order options

- 3 If you're printing multiple copies of a multi-page document and you want the copies printed in sets, click the **Collate** checkbox. The page graphics change to show collated documents.



For information on the other settings on the Layout dialog box, see [Choosing Print Layout Options on a Macintosh](#).

- 4 If you're printing a multi-page document and want the last page printed first so the pages come out without needing to be reordered, click the **Reverse Order** checkbox. The page graphics change to show later pages printing first.
- 5 Click **OK** to close the Layout dialog box.



If you selected **Banner** as the Paper Source option, you can't change any Print Layout settings.

Selecting Print Layout Options

The print layout options let you reduce or enlarge almost any size document to print on your printer. You can also select options to proof multiple pages on one sheet of paper, add page frames, and add a predefined or custom watermark.

Follow the steps in the section for your operating system:

- ▶ [Choosing Print Layout Options in Windows](#)
- ▶ [Choosing Print Layout Options on a Macintosh](#)

Choosing Print Layout Options in Windows

Follow the steps in these sections to use options in the Layout dialog box:

- ▶ [Reducing and Enlarging Your Document Size](#)
- ▶ [Using Multiple Page Layouts and Page Frames](#)
- ▶ [Adding a Watermark](#)

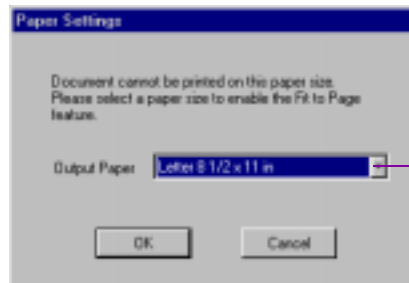
Reducing and Enlarging Your Document Size

When you want to make the printed size of a document different from its original size, you can use your printer software's Reduce/Enlarge settings. You can make the document fit into the printable area on a selected paper size or you can choose to reduce or enlarge it to a selected percentage of its original size.

Follow these steps to reduce or enlarge your document size:

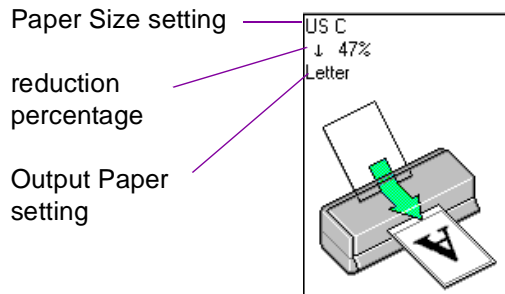
- 1 Create your document in your application software.
- 2 Follow the steps in [Printing from Windows](#) to access the printer settings dialog box, then click the **Paper** tab.
- 3 Click the **Paper Size** list and select your document's size as determined by your application.
- 4 If the Paper Size setting you selected is *within* the maximum paper size that can fit on your printer, but you want to *enlarge or reduce* the document, go to step 5.

If the Paper Size setting you selected is *larger* than the maximum size that can be printed on your printer, you see the following dialog box:



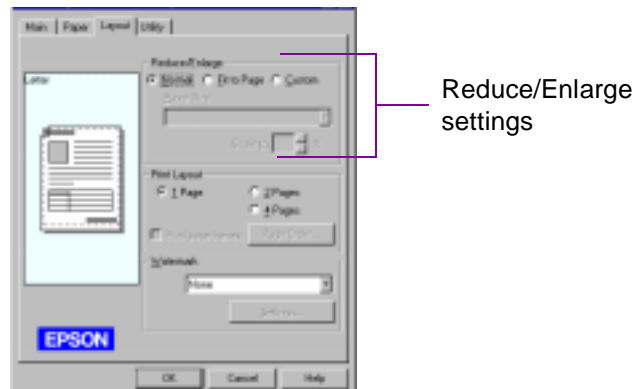
Output Paper
list

In the Output Paper list, select the actual size of the paper loaded in the printer and click **OK**. This automatically turns on the Fit to Page setting so the document fits into the printable area on the output paper you select. The selected Paper Size, reduction percentage, and Output Paper settings now appear above the printer graphic.



If you want to adjust the proportions or sizes further, go to step 5. If you're ready to print, go to step 7.

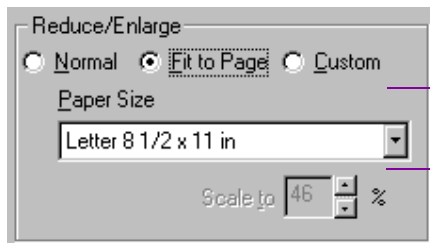
- 5 Click the **Layout** tab. You see the Layout dialog box:





If you previously selected a Paper Size setting that is larger than the maximum paper size for your printer and then choose **Normal**, the Paper Size changes to Letter 8 1/2 x 11 in.

- 6 Select one of the following Reduce/Enlarge settings:
 - ▶ Select **Normal** to set the print proportion to 100%.
 - ▶ Select **Fit to Page** to automatically reduce or enlarge the document to fit on the paper size loaded in the printer. The Paper Size option beneath the Fit to Page setting becomes active; if necessary, select the size of paper loaded in the printer.



Select **Fit to Page**, then select the size of paper loaded in the printer

- ▶ Select **Custom**, then select a percentage (10% to 400%) in the **Scale to** field to reduce or enlarge the document by a specific amount.
- 7 If you're finished selecting Layout options, click **OK**.

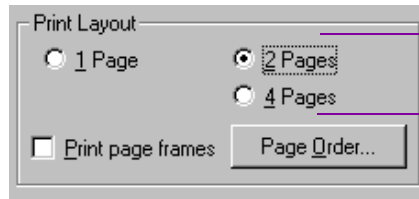
If you want to select more options, see [Using Multiple Page Layouts and Page Frames](#) and [Adding a Watermark](#).

Using Multiple Page Layouts and Page Frames

If you're printing a multiple page document and want a quick proof of each page printed on one piece of paper, you can select a page layout option in the printer software. You can choose the way the pages are placed on the paper and add a lined frame to each page, if you want.

Follow these steps to use the page layout options:

- 1 Follow the steps in [Printing from Windows](#) to access the printer settings dialog box.
- 2 Click the **Layout** tab. You see the Layout dialog box.
- 3 To print multiple pages of your document on one sheet of paper, select either the **2 Pages** or **4 Pages** radio button.



Click a button to select a multiple page layout

- 4 The layout of the on-screen graphic shows the page order of how your document will print. To change the page order, click the **Page Order** button. Then select the page order you want to use from the Print Layout dialog box that appears.
- 5 If you want to frame each page's contents with a thin black line, click the **Print page frames** checkbox.
- 6 If you're finished selecting Layout options, click **OK**. If you want to select more options, see [Adding a Watermark](#).



To add a custom watermark, you must first create the watermark as a bitmap in an application program that can create bitmap files. See your application's documentation for instructions.

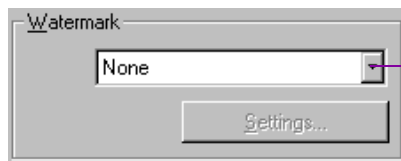
If you selected a multiple page layout option (as described in [Using Multiple Page Layouts and Page Frames](#)), your watermark will appear on each page in the layout.

Adding a Watermark

You can add a watermark to each page in your document to emphasize its purpose or indicate how it should be handled. For example, you may want to add a watermark of the word "Confidential" to documents you don't want distributed to other parties. Or you can add a custom bitmap of your company logo so your document looks like printed letterhead.

Follow these steps to add a watermark:

- 1 Follow the steps in [Printing from Windows](#) to access the printer settings dialog box.
- 2 Click the **Layout** tab. You see the Layout dialog box.
- 3 To select a watermark, click the **Watermark** drop-down list.



Watermark
drop-down list

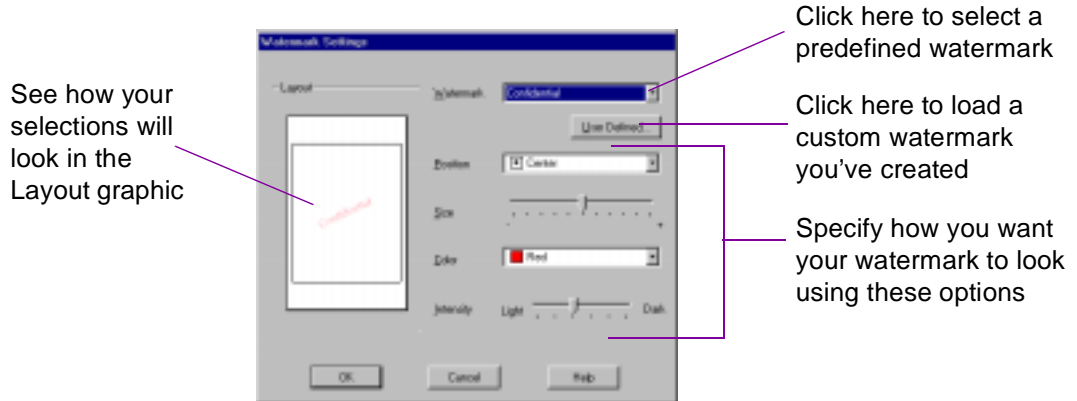
Then highlight one of the following watermarks:

Confidential
Draft
Urgent
Priority
Hot

Do Not Copy
For Your Eyes Only
Review Copy
Top Secret
Duplicate

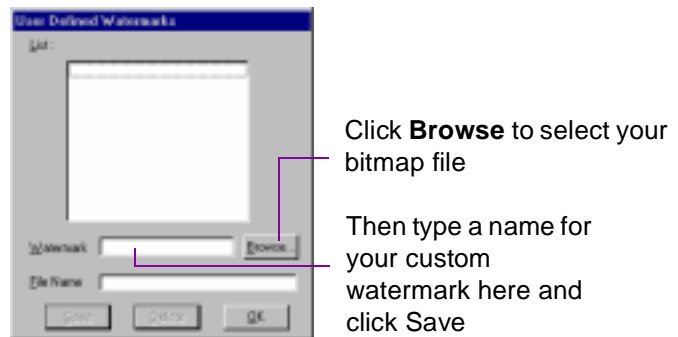
To turn off your watermark, select **None** from the drop-down list.

- 4 To change the watermark or specify how it appears, click the **Settings** button. You see the following dialog box:



You can create up to 10 custom watermarks using any bitmap file up to 15MB in size. With Windows NT, the file can be any size.

- 5 To load a custom watermark you've created as a bitmap file in an application program, click the **User Defined** button. You see the following dialog box:





To delete a custom watermark from the list, click the **User Defined** button, select the watermark, and click **Delete**.



The on-screen graphic changes to reflect all the settings you choose. If your monitor displays only 16 colors, the Intensity adjustments are not shown in the Layout graphic.

Click the **Browse** button. You see a file selection dialog box. Navigate to the folder containing the bitmap file you want to use, select the file, and click **OK**.

Type a name for the custom watermark (up to 24 characters long) in the **Watermark** field. Click the **Save** button to add it to the list, then click **OK**.

The custom watermark now appears as the selected watermark in the Watermark Settings dialog box and is shown in the on-screen graphic.

- 6 Select the way you want the watermark to appear by choosing the following options:
 - ▮ **Position** selects where you want the watermark to appear on your page: **Center**, **Top-Left**, **Top-Center**, **Top-Right**, **Left**, **Right**, **Bottom-Left**, **Bottom-Center**, or **Bottom-Right**.
 - ▮ **Size** adjusts the size of the watermark, either larger or smaller, as you move the slide bar.
 - ▮ **Color** lets you choose a color for your predefined watermark: **Black**, **Blue**, **Aqua**, **Lime**, **Fuchsia**, **Red**, or **Yellow**. You cannot select a color for a custom watermark; it is printed in its original colors.
 - ▮ **Intensity** sets the lightness or darkness of the watermark based on where you move the slide bar.
- 7 If you're finished changing Layout options, click **OK** to close the Layout dialog box.

Choosing Print Layout Options on a Macintosh

Follow the steps in these sections to use options in the Layout dialog box:


- ▶ [Using the Fit to Page Option](#)
- ▶ [Adding a Watermark](#)
- ▶ [Using Multiple Page Layouts and Page Frames](#)

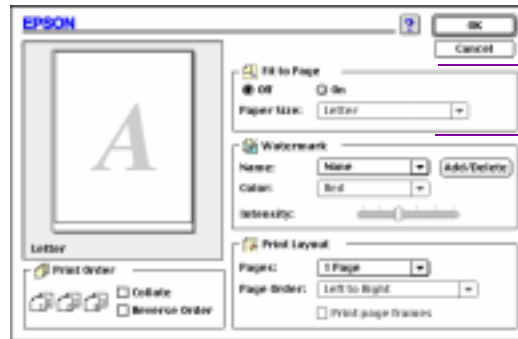
Using the Fit to Page Option

When you want to make the printed size of a document different from its original size, you can use your printer software's **Fit to Page** option to proportion it to fit on a selected paper size.

Follow these steps to use the Fit to Page option:

- 1 Create your document in your application software.
- 2 Open the File menu and select **Page Setup**. You see the Page Setup dialog box.
- 3 Click the **Paper Size** list and select your document's size as determined by your application.
- 4 Click **OK** to close the Page Setup dialog box.
- 5 Now open the File menu and select **Print**. You see the printer settings dialog box.

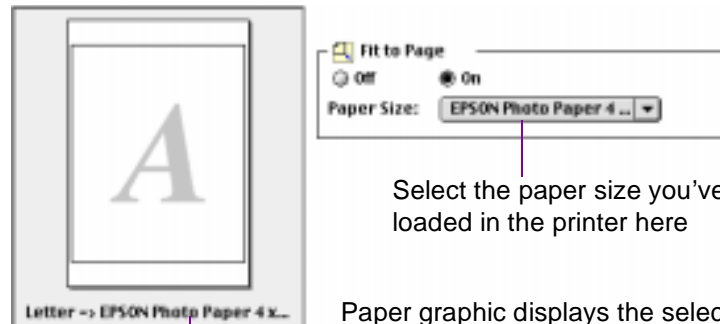
- 6 Click the  Layout icon. You see the Layout dialog box:



Fit to Page
settings

- 7 Select one of the following Fit to Page options:

- ▶ Select **Off** to set the print proportion to 100%.
- ▶ Select **On** to automatically reduce or enlarge the document to fit on the paper size loaded in the printer. The Paper Size option beneath the Fit to Page setting becomes active.



Select the paper size you've
loaded in the printer here

Paper graphic displays the selected
paper size and
document size

Select the size of the paper you've loaded. This automatically sets the correct reduction/enlargement percentage to fit the document into the printable area on the selected paper size. The document size and paper size settings appear beneath the paper graphic.

- 8 If you're finished selecting Layout options, click **OK**. If you want to select more options, see [Adding a Watermark](#) and [Using Multiple Page Layouts and Page Frames](#).




To add a custom watermark, you must first create the watermark as a PICT file in an application program that can create PICT files. See your application's documentation for instructions.

If you selected a multiple page layout option (as described in [Using Multiple Page Layouts and Page Frames](#)), your watermark will appear on each page in the layout.

Adding a Watermark

You can add a watermark to each page in your document to emphasize its purpose or indicate how it should be handled. For example, you may want to add a watermark of the word "Confidential" to documents you don't want distributed to other parties. Or you can add a custom PICT file of your company logo so your document looks like printed letterhead.

- 1 Open an application and select a document to print. Open the File menu and click **Print**.
- 2 In the printer settings dialog box, click the  Layout button. You see the Layout dialog box.
- 3 To use one of the predefined watermarks, click the arrow in the **Name** list in the Watermark box and choose one of these:

Confidential
Draft
Urgent
Priority
Hot

Do Not Copy
For Your Eyes Only
Review Copy
Top Secret
Duplicate

Go to step 5.

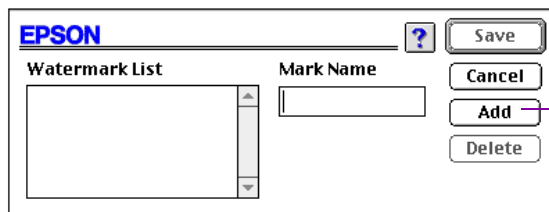


You can create up to 10 custom watermarks from PICT files up to 1MB in size.

To delete a custom watermark from the list, click the **Add/Delete** button, select the watermark, and click **Delete**.

If your monitor displays only 16 colors, the Intensity adjustments are not shown in the Layout graphic.

- 4 To load a custom watermark you've created as a PICT file in an application program, click the **Add/Delete** button. You see the following dialog box:



Click the **Add** button to select a PICT file

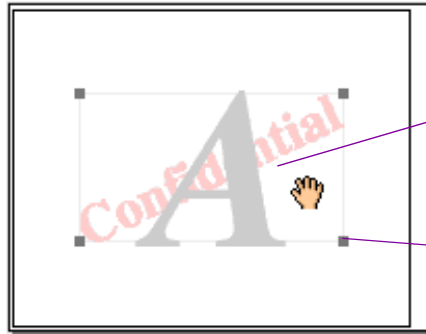
Click the **Add** button. You see a dialog box for selecting files. Navigate to the folder containing the PICT file you want to use, select the file, and click **Open**.

The name of your PICT file appears in the Mark Name field and is added to the Watermark List. Click the **Save** button to close the dialog box.

The custom watermark now appears as the selected watermark in the Layout dialog box and is shown in the layout graphic.

- 5 Now select the way you want the watermark to appear by choosing the following options. The layout graphic changes to reflect all the settings you choose.
 - ▮ **Color** lets you choose a color for your predefined watermark: **Black, Blue, Aqua, Lime, Fuchsia, Red, or Yellow**. You can't select a color for a custom watermark; it prints in its original colors.
 - ▮ **Intensity** sets the lightness or darkness of the watermark based on where you move the slider.

- To adjust the size and position of the watermark, move the cursor over the Layout graphic. Four boxes appear in the corners of the graphic and the cursor changes to a hand.



Click and drag anywhere in here to move the watermark

Click and drag one of the corner boxes to resize the watermark

To move the watermark, click anywhere inside the graphic and drag it into one of these positions: center, top-center, upper-right, middle-right, lower-right, bottom-center, upper-left, middle-left, or lower-left.

To resize the watermark, move the cursor over one of the corner boxes; the cursor changes to a pointing hand. Click and drag the box corner to reduce or enlarge the watermark.


- 6 If you're finished changing Layout options, click **OK** to close the Layout dialog box.

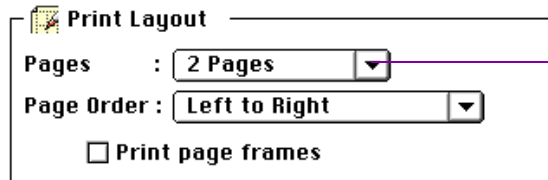
If you want to select more options, see [Using Multiple Page Layouts and Page Frames](#).

Using Multiple Page Layouts and Page Frames

If you're printing a multiple page document and want a quick proof of each page printed on one piece of paper, you can select a Print Layout option. You can choose the way the pages are placed on the paper and add a lined frame to each page, if you want.

Follow these steps to use the Print Layout options:

- 1 Open an application and select a document to print.
- 2 Open the File menu and click **Print**. You see the printer settings dialog box.
- 3 Click the  Layout button. You see the Layout dialog box.
- 4 To print multiple pages of your document on one sheet of paper, select either **2 Pages** or **4 Pages** in the Pages drop-down list.



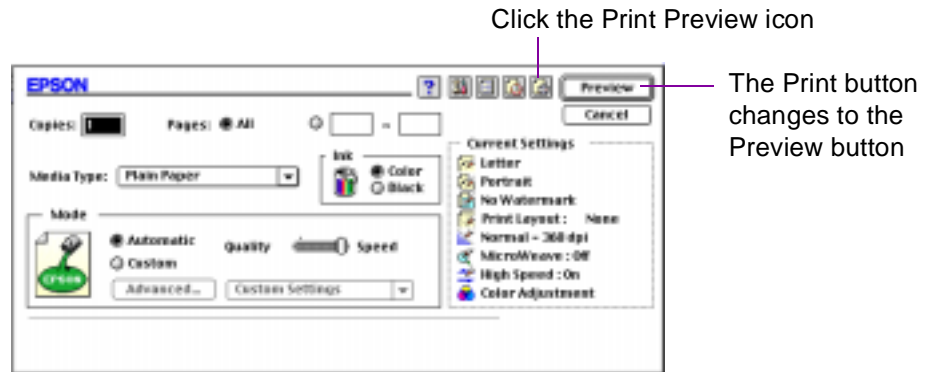
Click the arrow and select a multiple page layout


- 5 The layout of the on-screen graphic shows the page order of how your document will print. To change the page order, click the arrow in the **Page Order** drop-down list. Then select the page order you want to use.
- 6 If you want to frame each page's contents with a thin black line, click the **Print page frames** checkbox.
- 7 If you're finished selecting Layout options, click **OK**.

Using Print Preview on the Macintosh

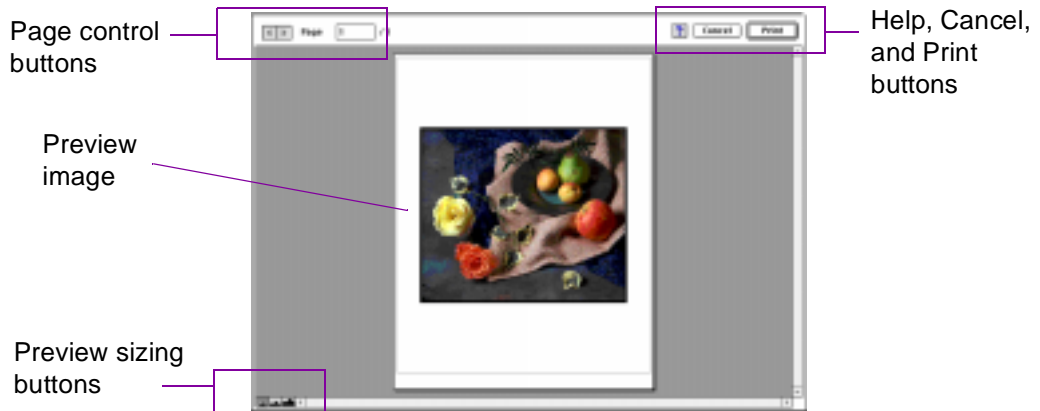
You can get a preview of how your document will print with the Print Preview feature in your Macintosh printer software. Print Preview shows the results of the following printer software settings on your document:

- ▮ Print layout settings such as **Fit to Page**, **Page Order**, **Watermark**, **Reverse Order**, and **Collate**
 - ▮ Page Setup options, such as **Paper Size**, **Orientation**, **Rotate by 180 degrees**, and **Printable Area**
- 1 Open an application and select a document to print.
 - 2 Open the File menu and click **Print**. You see the printer settings dialog box.






- 3 Click the  Print Preview icon. The **Print** button changes to the **Preview** button.

- 4 Click the **Preview** button. After a moment, you see the print preview dialog box:



When you click **Cancel**, the Preview and Print dialog boxes close, but your current print settings remain the same.

- 5 The first preview page is the first page of your document. To change the preview page, click the ◀ or ▶ button to go back or forward one page, or enter a page number in the **Page** field.
- 6 To change the size of the preview, click the following buttons:
- ▶ Click  to see the entire page, reduced to fit in the display area
 - ▶ Click  to see a mid-size preview
 - ▶ Click  to see the page enlarged with the most details
- 7 To print your document, click **Print**. To close the print preview dialog box and return to your application, click **Cancel**.


Using Background Printing on the Macintosh

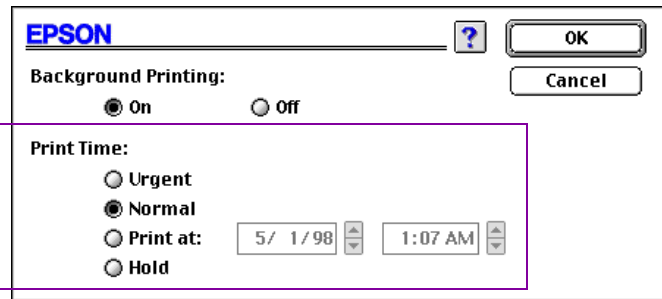
When background printing is on, your printer software lets you work in other applications while printing takes place in the background.

Background printing also lets you set the following printing options:

- ▶ Set a priority for the print job in the print queue
- ▶ Set a specific time for printing the print job
- ▶ Hold the print job for later printing

Follow these steps to set up background printing:

- 1 Open an application and select a document you want to print.
- 2 Open the File menu and click **Print**. You see the printer settings dialog box.
- 3 Click the  Background Printing icon. You see the following dialog box:



Not available if
background printing
is turned off

- 4 To turn background printing on or off, click the **On** or **Off** radio button.



You can also turn background printing on or off in the Macintosh Chooser.

- 5 To select a priority for your print job in the queue of jobs waiting to print, click one of the following:
 - ▶ **Normal** to print in the order the job is received
 - ▶ **Urgent** to print before any Normal priority job
 - ▶ **Print at** to print at a specific time you enter in the day and time fields
 - ▶ **Hold** to keep the print job in the print queue until you're ready to release it using EPSON Monitor 3; see [Using Monitor3](#) for details.
- 6 Click **OK** to save your settings and return to the printer settings dialog box.

Saving Custom Settings

After you've fine-tuned your printer settings for a special project, you can save the settings as a group. Then you can quickly reuse them the next time you print a similar project. You can save up to 10 groups of settings.

- 1 Customize your printer settings, then access the Advanced dialog box as described in [Customizing Print Quality and Special Effects](#).
- 2 Click the **Save Settings** button.

You see this dialog box:



Windows



Macintosh



When you want to use one of the custom settings groups you created but change a couple of its settings, you have to revise your custom settings group or create a new one. See [Revising Your Custom Settings](#).

- 3 Type a unique name for your settings (up to 16 characters) and click the **Save** button.
- 4 Click **OK** to close the Advanced dialog box. The name of the custom settings group you created appears as the selected option in the Custom Settings list.

To use custom settings groups you created, click **Custom**. Then open the Custom Settings list and select the name of the group. The groups you created appear at the bottom of the list.

To revise or delete your custom settings, see [Revising Your Custom Settings](#) or [Deleting Your Custom Settings](#).



If you want to create a new custom settings group, type a unique name for your settings (up to 16 characters) and click **Save**.

Revising Your Custom Settings

To make one or two changes to your settings in a custom settings group, you can revise the group without recreating it from scratch.

- 1 From the main printer settings dialog box, click **Custom**. Then select the name of the custom settings group you want to revise in the Custom Settings list.
- 2 Click the **Advanced** button and change the printer settings.
- 3 When you're finished changing the settings, click **Save Settings**.
- 4 In Windows, select the name of the custom settings group you're revising in the Custom Settings dialog box. (On a Macintosh, it's automatically selected.)
- 5 If you're using Windows, click **Save**. Click **OK** at the Save As dialog box to save your revised settings. (Click **Cancel** to cancel your changes.)

On a Macintosh, click the **Redefine** button. Then click **Replace** at the confirmation dialog box to save your revised settings. (Click **Cancel** to cancel your changes.)



You cannot delete any of the predefined document types.

Deleting Your Custom Settings

- 1 From the main printer settings dialog box, click **Custom**, then click the **Advanced** button.
- 2 Click **Save Settings** on the Advanced dialog box.
- 3 Select the custom settings group in the Custom Settings box, and click **Delete**. In Windows, click **OK** to confirm the deletion.

Printing on Special Papers

Your EPSON Stylus Photo 1200 lets you print on just about any kind of paper you want to use. You can get great results printing on various sizes of plain paper, letterhead, and envelopes, but you'll get even better results with EPSON's specially coated ink jet paper.

For the best output, use EPSON's photo-quality paper: ink jet paper, glossy film, and photo paper.

For special projects, you can use a variety of EPSON papers designed for ink jet printers, ranging from transparencies to iron-on transfer paper.

Follow the steps in this chapter on:

- [Selecting the Right Settings for Your Paper](#)
- [Paper Loading and Handling Guidelines](#)

Selecting the Right Settings for Your Paper

When you print on special papers, you need to choose the correct Media Type and Paper Size settings in your printer software. The table below lists the available EPSON papers and the corresponding Media Type setting for each one.

Paper name	Size	Part number	Media Type setting
EPSON 360 dpi Ink Jet Paper	A4 Letter A3 Super B/A3	S041059 S041060 S041065 S041066	360 dpi Ink Jet Paper
EPSON Iron-On Cool Peel Transfer Paper	Letter	S041153/S041155	
EPSON High Quality Ink Jet Paper	Letter A4	S041111 S041117	Photo Quality Ink Jet Paper
EPSON Photo Quality Ink Jet Paper	A4 Letter Legal Super B/A3 B	S041061 S041062 S041067 S041069 S041070	
EPSON Photo Quality Ink Jet Cards	A6 8 × 10 inches	S041054 S041122	
EPSON Photo Quality Self Adhesive Sheets	A4	S041106	

Paper name	Size	Part number	Media Type setting
EPSON Photo Paper	4 × 6 inches A4 Letter Super B/A3 B	S041134 S041140 S041141 S041143 S041156	Photo Paper
EPSON Panoramic Photo Paper	8.3 in × 23.4 in	S041145	
EPSON Banner Photo Paper	13 in × 32.8 ft	S041233	
EPSON Photo Quality Glossy Film	A4 Letter A6 Super B/A3 B	S041071 S041072 S041107 S041074 S041075	Photo Quality Glossy Film
EPSON Photo Stickers Kit (CD-ROM and paper)	A6	S041144-KIT	
EPSON Photo Stickers (refill)	A6	S041144	
EPSON Ink Jet Transparencies	A4 Letter	S041063 S041064	Ink Jet Transparencies
EPSON Ink Jet Back Light Film	A3	S041131	Ink Jet Back Light Film

To order EPSON papers and other media, contact your dealer or call EPSON Accessories at (800) 873-7766 (U.S. sales only). Or visit our web site at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.



Don't use any cleaning sheets included with special paper; they may jam inside the printer.

Paper Loading and Handling Guidelines

The following tips help you get the best results on any type of paper:

- ▶ Always handle sheets by the edges, and avoid touching the printable surface.
- ▶ When you load paper, make sure the printable side is facing up.
- ▶ Load paper only up to the arrow mark on the left edge guide.
- ▶ Return unused sheets and envelopes to their original package as soon as possible. See [Paper](#) for more storage information.
- ▶ If your paper package included protective sheets, cover the printed side of your paper with these sheets before stacking your paper.
- ▶ Use ink jet papers within one year of purchase; use glossy film and transparencies within six months.
- ▶ Follow any specific instructions for your paper in the following sections:
 - ▶ [Letterhead, Preprinted Forms, and Legal-size Paper](#)
 - ▶ [EPSON Photo Quality Glossy Film and Transparencies](#)
 - ▶ [Envelopes](#)
 - ▶ [EPSON Photo Paper](#)
 - ▶ [EPSON Panoramic Photo Paper](#)
 - ▶ [EPSON Banner Photo Paper](#)
 - ▶ [EPSON Photo Quality Ink Jet Cards](#)
 - ▶ [EPSON Photo Stickers](#)
 - ▶ [EPSON Photo Quality Self Adhesive Sheets](#)

- ▶ [EPSON Iron-On Cool Peel Transfer Paper](#)
- ▶ [EPSON Ink Jet Back Light Film](#)

Letterhead, Preprinted Forms, and Legal-size Paper

Load the top edge first with the printable side up. When you load long paper, pull up the paper support extension and both output tray extensions.

Select **Plain paper** as the Media Type setting, and be sure to choose the correct Paper Size setting in your printer software.

EPSON Photo Quality Glossy Film and Transparencies

Before you load glossy film or transparencies, put a support sheet (packed with the media) or a sheet of plain paper beneath the stack.

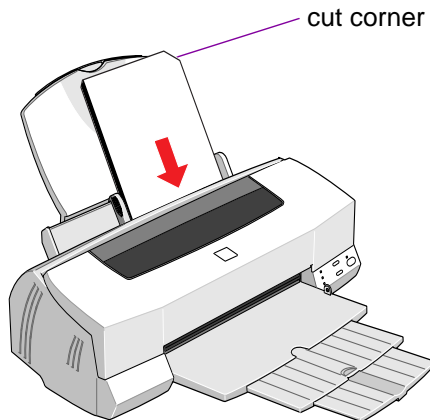
You can load up to 20 sheets of glossy film or up to 30 transparencies.

With Photo Quality Glossy Film, you may get better results by loading one sheet at a time. If you load multiple sheets, the minimum top margin you can use is 1.2 inches (30 mm). If you want to use a smaller top margin, load and print one sheet at a time.



It's best not to use the **Maximum** printable area setting in the printer software when printing on paper with a cut corner. Part of your document may print in the cut out area.

If your media has a cut corner, position it in the upper right corner in the sheet feeder.



Be sure to select the correct Media Type setting for your paper in the printer software.

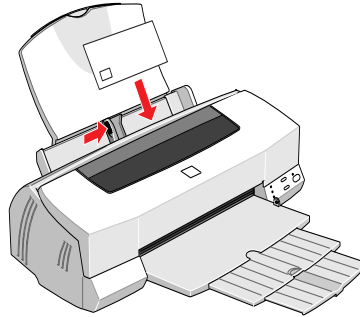
- For Photo Quality Glossy Film, select **Photo Quality Glossy Film**
- For transparencies, select **Ink Jet Transparencies**



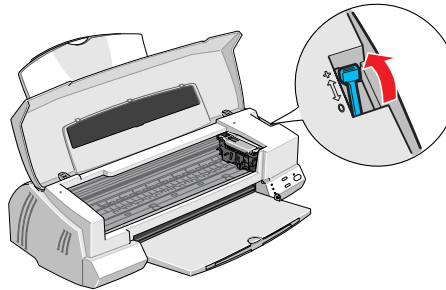
If the stack of envelopes is more than 0.4-inch (10 mm) thick, press the envelope edges to flatten them before stacking or load one envelope at a time.

Envelopes

You can load up to 10 envelopes flap edge first, with the printable side up, as shown below:



When you print on envelopes or other thick media, set the paper thickness lever to the **+** position as shown below. (Return the lever to the **0** position before printing on regular media.)



Select **Plain paper** as the Media Type and choose the correct envelope size as the Paper Size setting in the printer software.



To keep your printouts looking their best, store them in a resealable plastic bag or other airtight covering and protect them from heat, humidity, and direct sunlight.

EPSON Photo Paper

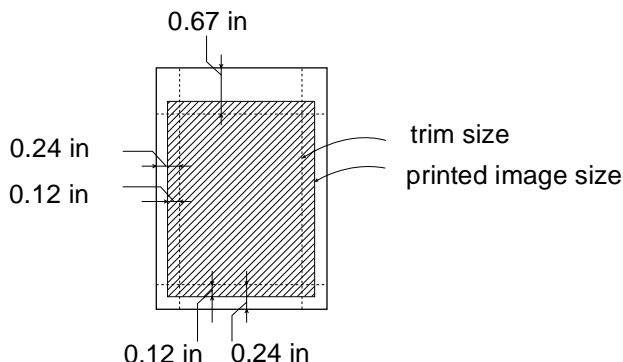
You can use EPSON Photo Paper to print photographs that look almost as good as the ones you get from film processing. EPSON Photo Paper comes in a variety of sizes, from 4 × 6-inch, snapshot-size, to letter-size, to panoramic- and banner-size (on a roll).

Instructions on using 4 × 6-inch Photo Paper is described below. See [EPSON Panoramic Photo Paper](#) and [EPSON Banner Photo Paper](#) for instructions on loading panoramic and banner size Photo Paper.

You can load up to 20 sheets of Photo Paper. Load the paper with the whiter (glossier) side face-up. Make sure you place a support sheet beneath the paper if it is included in the paper package.

EPSON 4 × 6-inch Photo Paper is perforated around the edges, so you can trim your printouts and “bleed” the photo—extend it to the edge of the paper—on all sides. To load 4 × 6-inch Photo Paper, follow these steps:

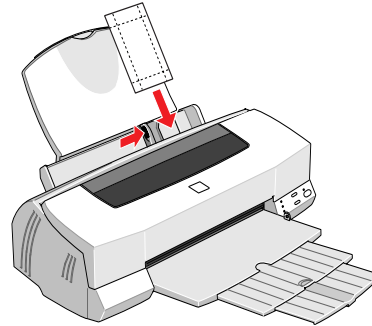
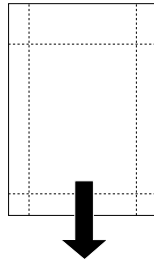
- 1 When you create the image in your application software, size it to 4.25 × 6.25 inches so the image covers the perforations as shown.





You can use EPSON 4 × 6-inch Photo Paper like a postcard. After printing on the glossy side of the Photo Paper, let your image dry a minute or so. Then set the paper thickness lever to the + position, reload the flattened card with the uncoated side up, and print your message in black ink using **360 dpi Ink Jet Paper** as the Media Type setting.

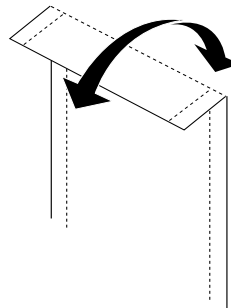
- 2 Position the perforated margins as shown and load up to 20 sheets with support sheets A and B beneath the stack.



- 3 Choose these printer software settings:


Photo Paper as the Media Type setting
EPSON Photo Paper 4 × 6 in as the Paper Size setting
Maximum as the Printable Area setting

- 4 After you print, fold the paper back and forth along the perforations and carefully tear off the margins.



EPSON Panoramic Photo Paper


You can use Panoramic Photo Paper to print large format panoramic photos. Before loading the paper, make sure it's flat; if it curls, place it between two sheets of paper and put a heavy object on top to flatten it.

Before loading the paper, pull the printer's paper support extension all the way up. Then load the paper one sheet at a time, printable side up. While holding the paper up by its top edge, press and release the  load/eject button to feed the paper into the printer. Select **Photo Paper** as the Media Type and **Panoramic 210 x 594 mm** as the Paper Size in your printer software.



Be sure to support your Panoramic Photo Paper or Banner Photo Paper as it ejects from the printer so it doesn't fall onto the floor.

EPSON Banner Photo Paper

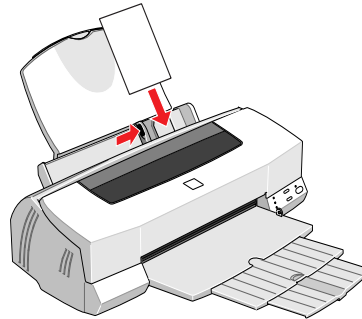
You can use Banner Photo Paper on a roll to print photographic banners, panoramas, and signs up to 44 inches long. Before loading the paper, cut it to the desired length of your image plus 2 inches to account for the necessary margins. Make sure the cut sheet is flat; if it curls, flatten it following the instructions included in the paper package. Then remove the printer's paper support and load the paper one sheet at a time, printable side up. Support the paper from underneath or by its edges, then press and release the  load/eject button to feed the paper into the printer.

Select **Photo Paper** as the Media Type and **Banner** as the Paper Source in your printer software. Don't select PhotoEnhance3 when printing on Banner Photo Paper.

An accessory Roll Paper Holder (0 10343 81750 0) is available for loading Banner Photo Paper. Contact your EPSON dealer or call EPSON Accessories at the number listed in [Where To Get Help](#) to order it.

EPSON Photo Quality Ink Jet Cards

You can load up to 30 cards at a time. Always place the included support sheet under the cards and load them as shown below.



Set the paper thickness lever to the + position, as shown in [Envelopes](#), to prevent smearing. When you're ready to print, set the Media Type to **Photo Quality Ink Jet Paper** and the Paper Size setting to the card size in your printer software.

EPSON Photo Stickers

Use these sheets of stickers to print small, decorated photos for use on cards, invitations, or other items. You'll need to use an application that can create photo stickers, such as XLsoft's StickerPiX.™

Load one sheet of Photo Stickers at a time. Make sure to place support sheets A and B that came with the stickers beneath the sheet.

Select **Photo Quality Glossy Film** as the Media Type setting and **A6 Index card 105 × 148 mm** as the Paper Size in your printer software.

EPSON Photo Quality Self Adhesive Sheets

Use these sheets to print labels or stickers. You can load one sheet at a time. Make sure your adhesive sheets are fully adhered to their backing sheet before you load them.

When you're ready to print, select **Photo Quality Ink Jet Paper** as the Media Type setting in your printer software.

EPSON Iron-On Cool Peel Transfer Paper

You can print photos, company logos, or anything else you want on these transfer papers, and then iron your images onto T-shirts or other cloth items. Load one sheet of transfer paper at a time.

Be sure to select **360 dpi Ink Jet Paper** as the Media Type setting and reverse your image before you print it—especially if it includes text—so it will read correctly when it's transferred. You can use the Flip Horizontal setting in your printer software to do this (see [Customizing Print Quality and Special Effects](#) for instructions).

After you print, follow the instructions that came with the paper to iron the image onto the shirt or other item.



Don't use the Maximum Printable Area setting on the Paper tab in your printer software when you're printing on EPSON Ink Jet Back Light Film.

EPSON Ink Jet Back Light Film

You can use EPSON Ink Jet Back Light Film to print crisp, translucent images for backlit display. Before loading the back light film, pull the paper support extension all the way up. Make sure the film is flat; if it curls, place it between two sheets of paper and put a heavy object on top to flatten it. Load one sheet at a time, with the white side face-up.

Select **Ink Jet Back Light Film** as the Media Type setting; your printer software automatically makes a mirror image of your design so it appears correctly when viewed from the reverse side.

Managing Print Jobs

Your printer software includes several utilities for managing print jobs. You can use them to monitor your printer's status and check on the current print job or jobs waiting to print. This chapter provides instructions for the following:

- ▶ [Managing Print Jobs in Windows](#)
- ▶ [Managing Print Jobs on a Macintosh](#)



Windows NT 4.0 servers and workstations include a messenger service to alert you to printer errors or let you know when a print job is finished. If you have appropriate network access privileges or you're controlling printing from the server, you can also set other options. See your Windows NT documentation for details.

Managing Print Jobs in Windows

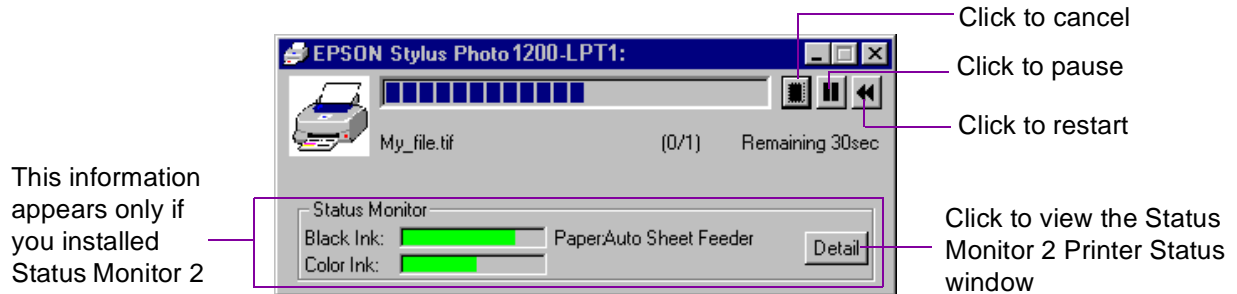
Your printer software offers three ways to monitor your print jobs:

- ▶ **Progress Meter**, which shows the progress of your current print job and the status of your printer. The Progress Meter appears each time you send a print job, as described in [Using the Progress Meter](#). You can turn the Progress Meter on or off in the Speed & Progress dialog box; see [Displaying the Progress Meter](#) for details.
- ▶ **Spool Manager** (not available with Windows NT), which displays your current print job files and lets you pause and cancel individual jobs. The Spool Manager appears in the taskbar at the bottom of the screen each time you print, as described in [Using the Spool Manager](#).
- ▶ **Status Monitor 2**, which provides detailed information about the status of your printer, as described in [Using Status Monitor 2](#).

In addition, the Speed & Progress dialog box lets you optimize your system for the fastest transfer of data to your printer. See [Optimizing Data Transfer](#) for details.

Using the Progress Meter

After you send a print job, the Progress Meter window appears on your screen:



The Progress Meter shows the progress of your print job and the status of your printer. You can use the buttons to cancel, pause, or restart your print job.

If you installed Status Monitor 2, you also see information about how much ink you have left. You can also click the **Detail** button to view the Status Monitor 2 Printer Status window. See [Using Status Monitor 2](#) for more information.

You can select whether or not to display the Progress Meter. See [Displaying the Progress Meter](#) for instructions.

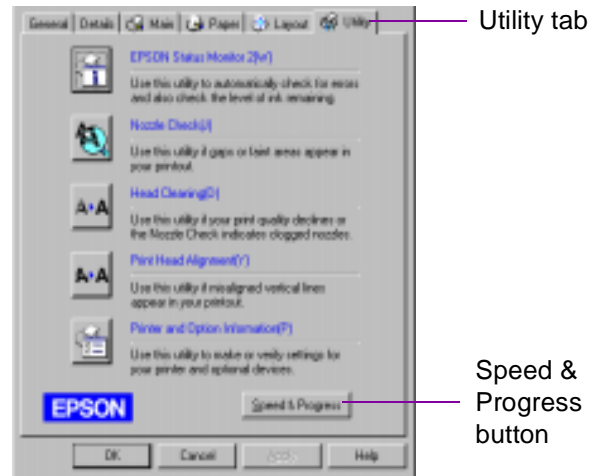
Displaying the Progress Meter

You can control whether or not the Progress Meter appears when you send a print job using the Speed & Progress dialog box. To access the dialog box, you must open your printer software from the Windows Printers utility as described below.

- 1 Click **Start**, point to **Settings**, then click **Printers**.
- 2 Right-click the **EPSON Stylus Photo 1200** printer icon and select **Properties** (Windows 95 and 98) or **Document Defaults** (Windows NT) from the menu.
- 3 Click the **Utility** tab. You see the Utility menu:

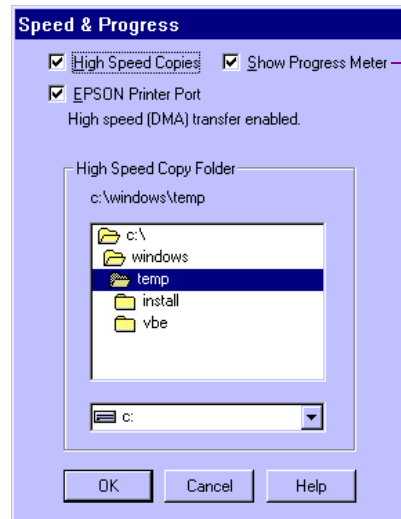


The Speed & Progress button is grayed out when you open your printer software through an application. You can access the Speed & Progress dialog box only through the Windows Printers utility as described here.



- 4 Click the **Speed & Progress** button.

You see this dialog box:




Select whether you want the Progress Meter to appear or not

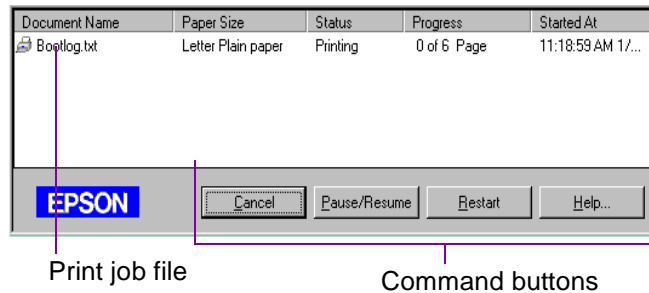
- 5 Click the **Show Progress Meter** checkbox to control whether or not the Progress Meter appears when you send a print job.

For information about other options in the Speed & Progress dialog box, see [Optimizing Data Transfer](#).

Using the Spool Manager

The Spool Manager (not available with Windows NT) displays the status of your print jobs and lets you control how they're printed.

To open Spool Manager while you're printing, click the  **EPSON Stylus Photo 1200** button on the taskbar at the bottom of the screen. You see the Spool Manager window:



To cancel, pause, resume, or restart a print job, click the job to highlight it; then click the corresponding command button on the bottom of the window.

If you're having trouble printing, a print job may have stalled. Click on any print jobs marked **Held**, then click the **Cancel** button.



You can check printer status using Status Monitor 2 only when your printer is turned on and connected directly to your computer via a bidirectional port.

Using Status Monitor 2

Status Monitor 2 lets you view information about your printer and your print jobs in its main window and these detailed status windows:

- ▶ **Status Alert Window**, which reports printer errors, low ink levels, and other problems when they occur.
- ▶ **Printer Status Window**, which gives troubleshooting tips and detailed information about printer errors.
- ▶ **Job Status Window**, which shows print jobs that are currently printing or waiting to be printed.

To use Status Monitor 2, follow the instructions in these sections:

- ▶ Before you can view the main window or any of the status windows, you need to open Status Monitor 2, as described in [Opening Status Monitor 2](#).
- ▶ To set up how you want printing monitored and to view a brief description of your printer status, see [Using the Main Window](#).
- ▶ To access more detailed printer information, see [Using the Detailed Status Windows](#).
- ▶ If you want to adjust how often Status Monitor 2 checks your printer status, see [Changing the Monitoring Interval](#).



You can change the shape of the Background Monitoring icon by clicking **Select background monitoring icon** in the Settings menu.




If you ever need to turn off background monitoring, follow steps 1 and 2, then select **Stop monitoring now**.

Opening Status Monitor 2


To use Status Monitor 2 or view any of its status windows, you must first open it. Follow these steps:


- 1 Make sure your printer is turned on.
- 2 Click **Start**, point to **Programs**, click the **Epson** folder, and click **EPSON Status Monitor 2**. You see the main window, described in [Using the Main Window](#).

If background monitoring is turned on (as described in the next section), you can open Status Monitor 2 by double-clicking the  Background Monitoring icon on the taskbar in the bottom-right corner of your screen.

Turning on Background Monitoring

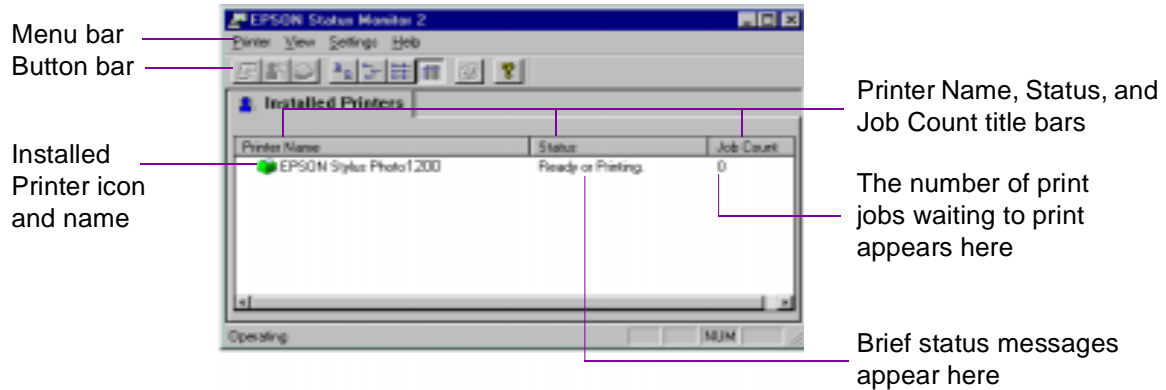
Follow these steps to turn on background monitoring:

- 1 Make sure your printer is turned on and then open Status Monitor 2 as described above. The main window appears.
- 2 Open the Settings menu and select **Background Monitoring**.
- 3 Select either **Monitor from restart** (to begin background monitoring after your next system restart) or **Monitor now** (to begin background monitoring right away). The  Background Monitoring icon appears on the taskbar in the lower-right corner of your screen.

The  Background Monitoring icon remains on your taskbar even after you close Status Monitor 2; to reopen the utility, double-click the icon. The color of the icon also helps you monitor your printer status, as described in [Using the Main Window](#) below.

Using the Main Window

When you start Status Monitor 2, you see the main window:



If the Installed Printer icon is grayed out, your printer is either disconnected from your computer or turned off.

The Installed Printers list shows the name of your printer with a brief message describing its status. The color of the Installed Printer icon also indicates the printer status as follows:

Installed Printer icon color	Status message
Green	Ready to print
Yellow	Ink level is low
Red	Paper and/or ink is out, paper is jammed, or a communication error has occurred



If you see more than one EPSON printer in the Installed Printers list, Status Monitor 2 has detected printer software for additional EPSON printers on your system. If you connect another EPSON printer, you can monitor it with Status Monitor 2 in the same way you monitor your EPSON Stylus Photo 1200.

The main window also lets you access more detailed information about your printer or job status through the Printer Status and Job Status windows. You can also set when and if you want the Status Alert window to notify you of changes in your printer status. See [Using the Detailed Status Windows](#) for more information.

Other Features of the Main Window

If you're monitoring more than one EPSON printer, you may want to delete any printers from the Installed Printers list that are not currently connected to save system resources. To do this, click the printer name in the Installed Printers list and select **Delete Printer** from the Settings menu. To add a printer to the list, select **Add Printers** from the Settings menu.

You can customize the appearance of items on the Status Monitor 2 main window using options in the View menu or using icons on the button bar. If you're monitoring multiple printers, you can reorder them in the Installed Printers list by clicking **Printer Name**, **Status**, or **Job Count** in the title bar.

Another option in the main window lets you adjust how often you want Status Monitor 2 to check your printer, as described in [Changing the Monitoring Interval](#).



You can check printer status using Status Monitor 2 only when your printer is turned on and connected directly to your computer via a bidirectional port.

Using the Detailed Status Windows

Status Monitor 2 features three status windows for viewing information about your printer and your print jobs, as described in these sections:

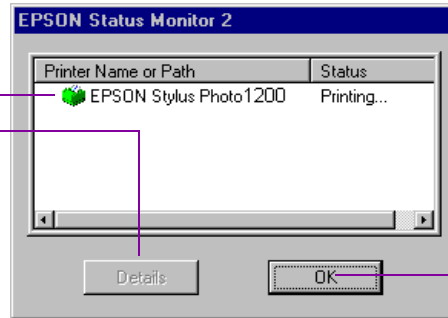
- ▶ [Status Alert Window](#)
- ▶ [Printer Status Window](#)
- ▶ [Job Status Window](#)

To view any of the status windows, you must first open Status Monitor 2. See [Opening Status Monitor 2](#) for details.

Status Alert Window

You can set up the Status Alert window to appear automatically to report printer errors, low ink levels, and other problems when they occur, or to appear every time you print:

Click the printer name to highlight it, then click **Details** to open the Printer Status window; see [Printer Status Window](#) for more information



Click here to close the Status Alert window

To use the Status Alert window, you must turn on background monitoring and set the status alert preferences; see [Setting Status Alert Preferences](#) for instructions.

The Status Alert window gives a brief message describing your printer status. The color of the printer icon also indicates its current status, as described below:




If the Installed Printer icon is grayed out, your printer is either disconnected from your computer or turned off.

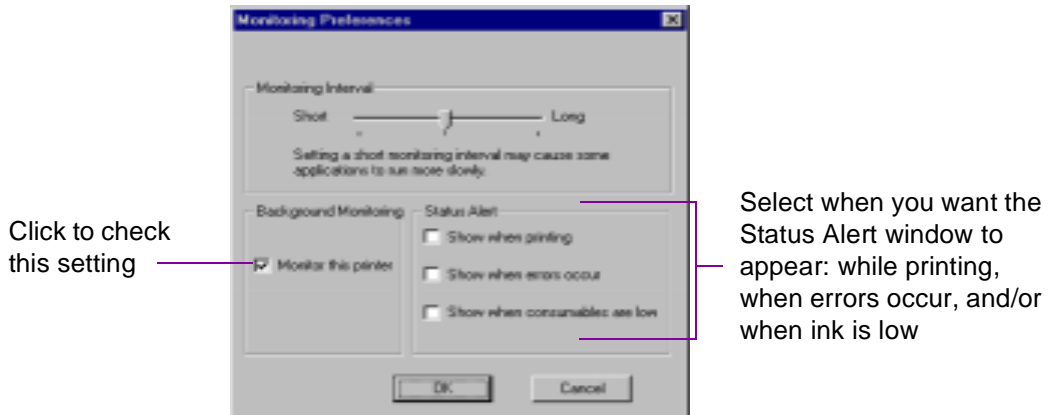
Installed Printer icon color	Status message
Green	Ready to print
Yellow	Ink level is low
Red	Paper and/or ink is out, paper is jammed, or a communication error has occurred

To view more printer status information, including troubleshooting tips and details about printer errors, click **Details** to open the Status Monitor 2 Printer Status window. See [Printer Status Window](#) for more information.

Setting Status Alert Preferences

To view the Status Alert window, you need to set Status Alert preferences for your printer. Follow these steps:

- 1 If you haven't already done so, turn on background monitoring as described in [Turning on Background Monitoring](#).
- 2 Click **EPSON Stylus Photo 1200** in the Installed Printers list.
- 3 Click the  Monitoring Preferences icon or select **Monitoring Preferences** from the Settings menu. (You can also right-click the printer name in the Installed Printers list and select **Monitoring Preferences** from the pop-up menu.) You see this dialog box:




- 4 Click the **Monitor this printer** checkbox.
- 5 Then turn on one or more of the Status Alert options to make the Status Alert window appear when the selected condition occurs. For example, if you turn on **Show when errors occur**, the Status Alert window appears only if a printing error occurs. If you select all the options, the Status Alert window appears whenever you print, encounter an error, or have low ink levels.

Printer Status Window

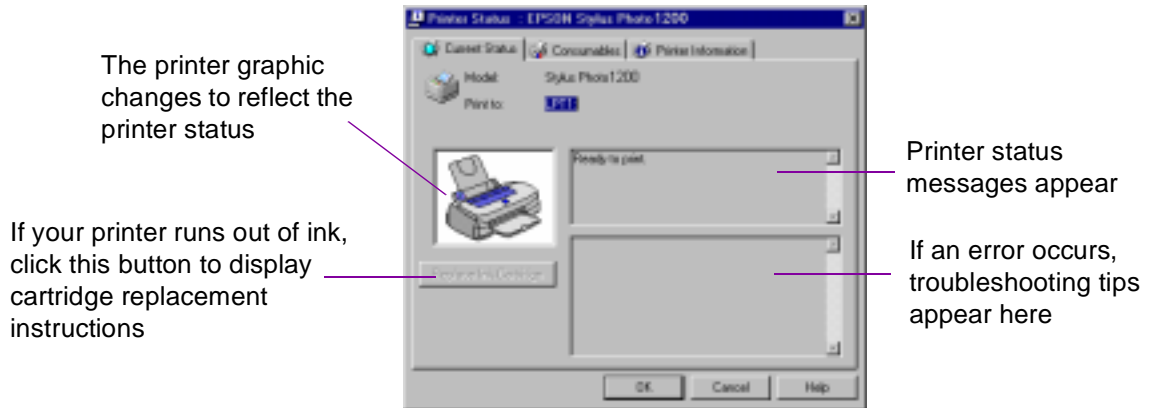
For more details on the status of your printer, you can use the Printer Status window. The Printer Status window provides troubleshooting tips and detailed information about printer errors.

You can access the Printer Status window in different ways, depending on whether or not you're currently printing:

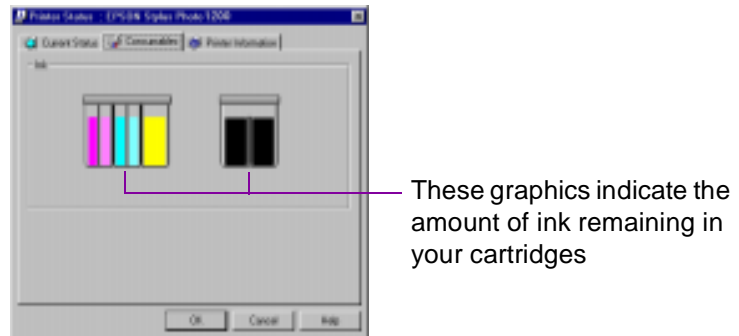
- If you're currently printing, click the **Details** button on the Progress Meter (described in [Using the Progress Meter](#)) or in the Status Alert window (described in [Status Alert Window](#)).
- If you're not currently printing, start your printer software, click the **Utility** tab, then click the **EPSON Status Monitor 2** icon. Or, open Status Monitor 2 as described in [Opening Status Monitor 2](#), and click your printer name in the Installed Printers list.

Then click the  Printer Status icon or select **Printer Status** from the Printer menu.

You see the Printer Status window. Click the **Current Status** tab to see the printer's current status and troubleshooting tips.



To check the amount of ink you have, click the **Consumables** tab.




The **Printer Information** tab isn't used by the EPSON Stylus Photo 1200.



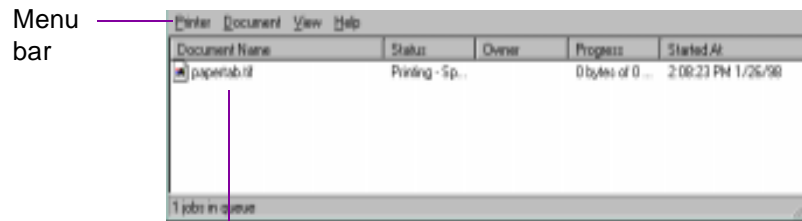
The Job Status window is very similar to the Spool Manager window. Both allow you to pause, cancel, and restart print jobs. See [Using the Spool Manager](#) for more information.

Job Status Window

To view detailed information on the print jobs waiting to print, you can use the Job Status window (not available with Windows NT). There are two ways to open the window:

- ▶ Click the printer name in the Installed Printers list and click the  icon or select **Job Status** from the Printer menu.
- ▶ Right-click the printer name in the Installed Printers list and select **Job Status** from the pop-up menu.

You see the Job Status window:




Information on jobs currently printing or waiting to be printed appears here

To pause or cancel a print job, first click its name in the Document Name list to highlight it. Then select either **Pause Printing** or **Cancel Printing** from the Document menu. To pause or purge *all* waiting print jobs, select **Pause Printing** or **Purge Print Jobs** from the Printer menu.

Changing the Monitoring Interval

You can adjust how often Status Monitor 2 checks your printer status. For example, if the Status Alert window takes a long time to appear after you send a print job, you may wish to decrease the monitoring interval. This will make the Status Alert window appear more quickly; however, shorter intervals may cause certain applications to run more slowly.

To adjust the monitoring interval, open the Monitoring Preferences dialog box by following these steps:

- 1 Open Status Monitor 2 as described in [Opening Status Monitor 2](#).
- 2 In the main window, click your printer name in the Installed Printers list and click the  Monitoring Preferences icon or select **Monitoring Preferences** from the Settings menu. The Monitoring Preferences dialog box appears:



Select how often you want Status Monitor 2 to check your printer status

- 3 Click the Monitoring Interval slider and drag it left or right to change the monitoring interval.

Optimizing Data Transfer

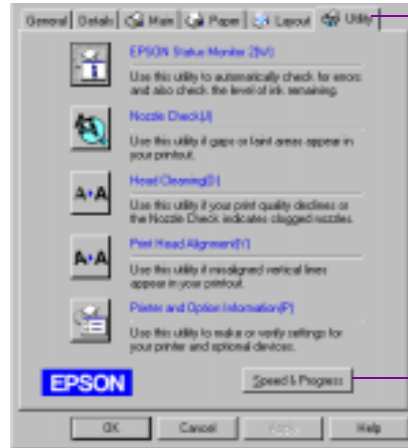
You can speed up the way your printer software processes multiple-copy print jobs using options in the Speed & Progress dialog box. You can also optimize your printer port for the fastest data transfer rate for EPSON printers, if your computer supports such transfers.

To access the dialog box, you must open your printer software from the Windows Printers utility as described below.

- 1 Click **Start**, point to **Settings**, then click **Printers**.
- 2 Right-click the **EPSON Stylus Photo 1200** printer icon and select **Properties** (Windows 95 and 98) or **Document Defaults** (Windows NT) from the menu.
- 3 Click the **Utility** tab. You see the Utility menu:



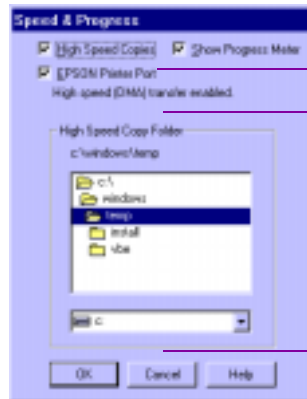
The Speed & Progress button is grayed out when you open your printer software through an application. You can access the Speed & Progress dialog box only through the Windows Printers utility as described here.



Utility tab

Speed & Progress button

- 4 Click the **Speed & Progress** button. You see this dialog box:



Not available with
Windows NT

Select a folder for storing
print data to speed up
printing of multiple copies.
(You don't see this box if you
have only one hard drive.)

- 5 Select **High Speed Copies** to speed up printing of multiple copies by creating hard drive space for the copies. If you have multiple hard drives, you can select a high speed copy folder for storing the copies.
- 6 Select **EPSON Printer Port** (not available on Windows NT 4.0) to optimize the transfer rate of your printer port for EPSON printers. You see one of these messages beneath the EPSON Printer Port option:
- ▶ **High speed (DMA) transfer enabled** tells you that you're already using fast DMA transfer mode.
 - ▶ **For higher data transfer rates, use DMA transfer** tells you that you can speed up printing by enabling DMA transfers on your system, if your computer supports them. See your computer documentation for instructions on using DMA transfers.
- 7 Click **OK** to close the Speed & Progress dialog box and return to the Utility menu. Then click **OK** again to exit your printer software.



If you see no message beneath the EPSON Printer Port option, you cannot enable DMA transfers on your system.



When background printing is turned off, you can cancel your print job by pressing the ⌘ and . (period) keys.



You can also turn on background printing from your printer software; see [Using Background Printing on the Macintosh](#) for instructions.

Managing Print Jobs on a Macintosh

Your Macintosh printer software includes two print job management utilities: EPSON Monitor3 and Status Monitor. It also includes a Configuration utility for setting up print monitoring options.

- ▶ Monitor3 lets you check the progress of your current print job and set priorities and print times for documents waiting to print. You can also cancel, pause, or restart a print job. See [Using Monitor3](#) for details.
- ▶ The Status Monitor lets you check the level of ink in your printer. See [Using the Macintosh Status Monitor](#) for details.
- ▶ The Configuration utility lets you choose how you want to be notified of printer errors and where you want print job files stored. See [Selecting Configuration Options](#) for details.

Using Monitor3

If you turned on background printing, Monitor3 starts automatically when you send a print job to the printer. You can then use the Monitor3 dialog box to check on your print jobs and cancel, pause, or restart them.

To use this utility, you need to turn on background printing and increase the memory allocation for Monitor3, as described in [Setting Up Monitor3](#).



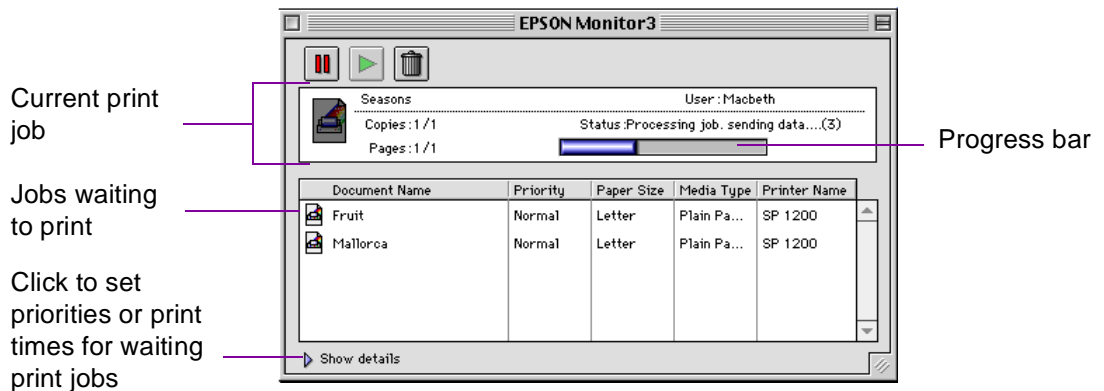
You may need to perform different or additional steps to allocate memory, depending on your Macintosh OS version; see your Macintosh documentation for more information.

Setting Up Monitor3

- 1 Open the Chooser from the Apple menu and select the **SP 1200** icon. Then select the port you're using.
- 2 Under Background Printing, click **On** and close the Chooser.
- 3 To increase the memory allocation, select **EPSON Monitor3** in the Extensions folder in your System folder. Then choose **Get Info** from the File menu and set the **Memory Requirements** to 2000K or 3000K, depending on your system's available RAM.

Monitoring Print Jobs with Monitor3

After you send a print job, you see the EPSON Monitor3 dialog box:








If the Monitor3 dialog box does not appear, click the current application icon at the right end of the menu bar and select EPSON Monitor3 from the drop-down menu.

If you see a stop sign icon and the message **Print queue on hold** in the EPSON Monitor3 dialog box, select **Start print queue** from the Printer menu to release the queue and resume printing.

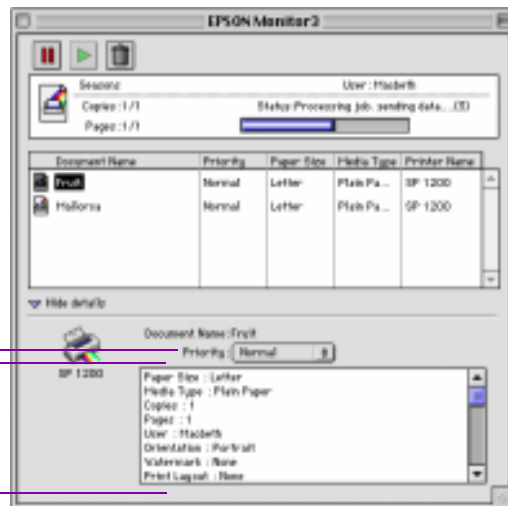
The progress bar tracks the progress of the current print job. To pause, cancel, or restart a print job (either the current one or any job waiting to print), click the document's name to highlight it. Then click one of the following buttons:

- ▶ click  to cancel
- ▶ click  to pause
- ▶ click  to restart


If you want to change the printing priority of a print job or set a specific time for it to print, click **Show details** at the bottom of the window. The Priority list becomes active:

Priority list box

Settings selected for the highlighted print job



Click the name of the document whose job priority you want to change. Then click the **Priority** list box and select one of the following settings:


- ▶ **Normal** prints the job in the order it's received
- ▶ **Urgent** moves the job before any Normal priority jobs in the print queue
- ▶ **Hold** keeps the job in the print queue until you're ready to release it for printing by clicking the  restart icon
- ▶ **Print Time** opens the Set Print Time dialog box:



Enter the time and date when you want the document to print, then click **OK**.

Using the Macintosh Status Monitor

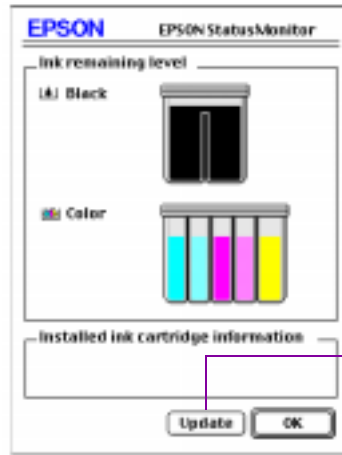
You can use the Status Monitor to check the level of ink in your printer. Follow these steps:

- 1 Choose **Page Setup** or **Print** from the File menu in your application. You see the printer settings dialog box.
- 2 Click the  Utility icon. You see the Utility menu:

For information about these utilities, see [Maintenance and Transportation](#)



- 3 Click the **EPSON StatusMonitor** icon. The software checks the amount of ink remaining in the printer and displays the Status Monitor window:




Click to recheck the
ink level

- 4 To recheck the ink level, click the **Update** button. To close the Status Monitor, click **OK**.

Selecting Configuration Options

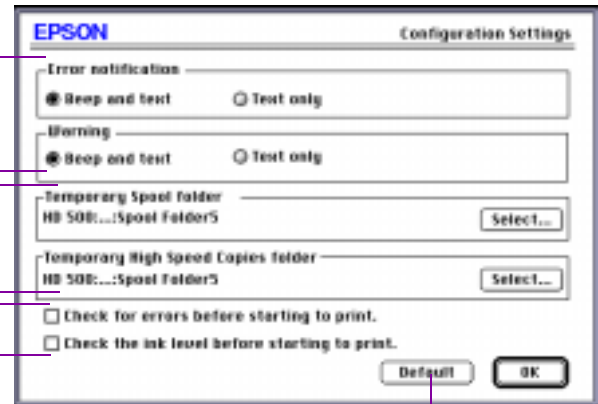
You can configure the way you want the printer to handle error and warning messages, ink level checks, and temporary spool folders in the Configuration Settings dialog box. Follow these steps:

- 1 Choose **Page Setup** or **Print** from the File menu in your application. You see a printer settings dialog box.
- 2 Click the  Utility icon. You see the Utility menu.
- 3 Click the **Configuration** button. You see the Configuration Settings dialog box:

Select how you want your system to notify you of errors and warnings

Select where you want print job files stored

Click here to check for errors and/or the ink level before printing



Click here to return to the default settings



Warning messages, such as low ink, allow printing to continue; error messages are more serious and cause printing to stop.

- 4 Select the following configuration options:
 - ▶ **Error notification** lets you select whether you want your system to beep and display error message text or just display text if your printer encounters an error.
 - ▶ **Warning** lets you choose whether warning messages beep and display text or just display text.
 - ▶ **Temporary Spool folder** and **Temporary High Speed Copies folder** let you select the folders on your hard disk that store the temporary print job and high speed multiple-copy print job files created when you send a job to the printer. Click the **Select** button to change to a different folder.
 - ▶ Click the **Check for errors before starting to print** checkbox if you want your software to check for errors before starting your print job.
 - ▶ Click the **Check the ink level before starting to print** checkbox if you want your software to check for a low ink condition before starting your print job.
- 5 When you've finished changing your configuration options, click **OK** to return to the Utility menu.

Maintenance and Transportation



It's easy to keep your EPSON Stylus Photo 1200 printer working well. Just follow the simple instructions in this chapter for:

- ▶ [Replacing an Ink Cartridge](#)
- ▶ [Cleaning the Print Head](#)
- ▶ [Aligning the Print Head](#)
- ▶ [Cleaning the Printer](#)
- ▶ [Transporting the Printer](#)



To ensure good results, use genuine EPSON cartridges and do not refill them. Other products may cause damage to your printer not covered by EPSON's warranty.

Replacing an Ink Cartridge

When the  black or  color ink out light flashes, the indicated cartridge is low on ink. This is a good time to make sure you have a new cartridge. When the light stays on, the cartridge is empty and you need to replace it.



Use these EPSON ink cartridges within six months of installing them and before the expiration date on the package:

Black ink cartridge	S020187
Color ink cartridge	T001011

When you need new ink cartridges, contact your dealer or call EPSON Accessories at (800) 873-7766 (U.S. sales only). Or visit our web site at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

If you need to replace an ink cartridge **before** the lights flash (because the ink is too old, for example), follow the instructions in [Replacing an Outdated Ink Cartridge](#).

Removing and Installing Ink Cartridges

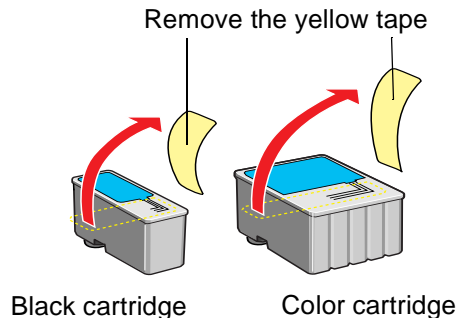
You can replace a cartridge when the  black or  color ink out light is either flashing or on. (If you perform these steps when **both** ink out lights are **off**, the printer cleans the print heads, as described in [Cleaning the Print Head](#).) Follow these steps to replace ink cartridges:

- 1 Remove the new ink cartridge from its packaging.
- 2 Remove **only** the yellow part of the tape seal on top as shown below. **Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.**



You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Do not remove the clear seal from the bottom of the cartridge; ink will leak out.

To avoid damaging the printer, never move the print head by hand.





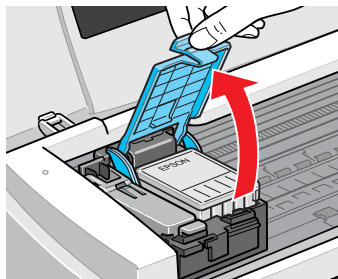


Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.

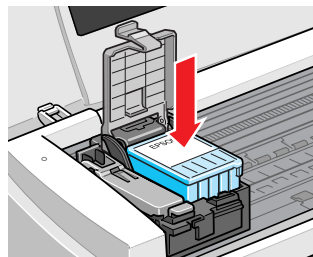


If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.

- 3 Make sure the printer is turned on and not printing, then open the printer cover.
- 4 Press the  cleaning button and hold it for about three seconds until the print head moves left and the  power light begins flashing.
- 5 Pull up the ink cartridge clamp. The cartridge rises up from its holder.



- 6 Lift the cartridge out of the printer and dispose of it carefully.
- 7 Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer. Then press down the ink cartridge clamp until it locks in place.



- 8 If you need to replace the other ink cartridge, repeat steps 5 through 7 before going on to step 9.



Never turn off the printer while the ⏻ power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.



You must remove the yellow tape from the top of the cartridge or you will permanently damage it. Do not remove the clear seal from the bottom of the cartridge; ink will leak out.

- 9 Press the 🧹 cleaning button and close the printer cover. The printer moves the print head and begins charging the ink delivery system. The ⏻ power light flashes, and the printer makes various sounds.

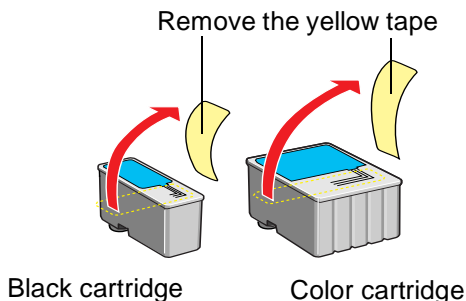
Charging takes about one minute. When it's finished, the ⏻ power light stops flashing and stays on.

Replacing an Outdated Ink Cartridge

If an ink cartridge is more than six months old, you may need to replace it. How can you tell? You may notice that your printouts don't look as good as they used to. If print quality doesn't improve after cleaning and aligning the print head, you can replace one or both cartridges.

Follow these steps to replace an ink cartridge **before** the 🖨 black or 🖨 color ink out light is flashing or on:

- 1 Remove the new ink cartridge from its packaging.
- 2 Remove **only** the yellow part of the tape seal on top as shown below. **Don't pull off the blue portion or try to remove the clear seal underneath the cartridge.**







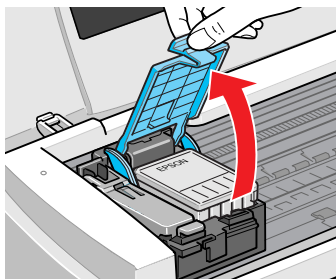
To avoid damaging the printer, never move the print head by hand.

Don't open the clamp or remove a cartridge except to replace it with a new one. Once you remove a cartridge, you can't reuse it, even if it contains ink.

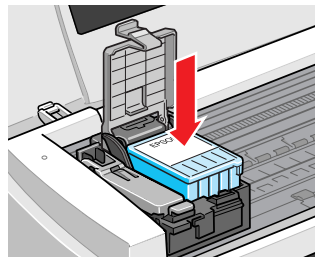


If ink gets on your hands, wash them thoroughly with soap and water. If ink gets into your eyes, flush them immediately with water.

- 3 Make sure the printer is turned on and not printing, then open the printer cover.
- 4 Press the  load/eject button and hold it down for three seconds until the print head moves to the left and the  power light begins flashing.
- 5 Pull up the ink cartridge clamp. The cartridge rises up from its holder.





- 6 Lift the cartridge out of the printer and dispose of it carefully.
- 7 Lower the new ink cartridge into its holder with the label facing up and toward the back of the printer. Then press down the ink cartridge clamp until it locks in place.



- 8 If you need to replace the other ink cartridge, repeat steps 5 through 7 before going on to step 9.

- 9 Press the  load/eject button and close the printer cover.

The printer moves the print head and begins charging the ink delivery system. The  power light flashes and the printer makes various sounds.

Charging takes about one minute. When it's finished, the  power light stops flashing and stays on.



When you don't use your printer for a long period, the print quality can decline. It's a good idea to turn the printer on at least once a month to maintain good print quality.

Cleaning the Print Head





If your printed image is unexpectedly light or faint, or dots are missing from the image, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly.


Cleaning the print head uses ink, so clean it only if print quality declines. You can clean the print head in either of the following ways:

- ▶ [Using the Head Cleaning Utility](#) in your printer software (when connected to a local port, not over a network)
- ▶ [Using the Control Panel](#) buttons on your printer

Using the Head Cleaning Utility


Follow these steps to run the Head Cleaning utility:

- 1 Make sure the printer is turned on but not printing, and **both** the  black and  color ink out lights are **off**.
- 2 Start an application and open a document.
- 3 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 4 Click the **Utility** tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
- 5 Click the **Head Cleaning** icon.
- 6 Follow the instructions on the screen to clean the print head. Cleaning takes a little over a minute, during which the printer makes some noise and the  power light flashes.

When the  power light stops flashing, run a nozzle check to test the results and reset the cleaning cycle.






- 7 Make sure paper is loaded in the printer and click **Print nozzle check pattern** (Windows) or **Confirmation** (Macintosh). Then click **Next**. The nozzle check pattern prints on your printer; see [Examining the Nozzle Check Pattern](#) for details.
- 8 If the nozzle check pattern is filled in completely, click **Finish**.
If the pattern is missing dots, click **Clean** to clean again. If you don't see any improvement in the print quality after cleaning two or three times, check the solutions in [Improving Print Quality](#).



Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.


Using the Control Panel

Follow these steps to clean the print head:


- 1 Make sure the printer is turned on but not printing, and **both** the  black and  color ink out lights are **off**.
- 2 Press the  cleaning button and hold it down for three seconds. Cleaning takes a little over a minute, during which the printer makes some noise and the  power light flashes.
- 3 After the  power light stops flashing, print a page to test the print quality and reset the cleaning cycle.

If you're connected directly to the printer, run a nozzle check. Then go to step 4.

If you're printing over a network, open an application and print a document containing black and color data. Then go to step 8.

- 4 Start an application, open a document, and access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 5 Click the **Utility** tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
- 6 Make sure paper is loaded in the printer, click the **Nozzle Check** icon, and click **Next**. The nozzle check pattern prints on the printer; see [Examining the Nozzle Check Pattern](#) for details.
- 7 If the nozzle check pattern is filled in completely, click **Finish**. If the pattern is missing dots, click **Clean** to clean again.
- 8 If you don't see any improvement in the print quality after cleaning two or three times, check the solutions in [Improving Print Quality](#).



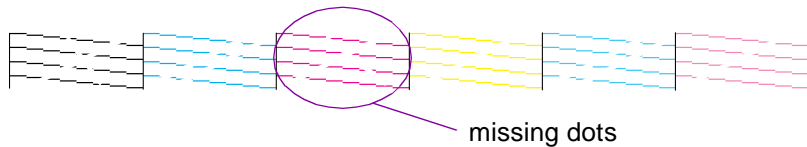
Never turn off the printer while the  power light is flashing, unless the printer hasn't moved or made any noise for more than 5 minutes.

Examining the Nozzle Check Pattern

Examine the nozzle check pattern you print. It should look something like this:



Each staggered horizontal and straight vertical line should be complete, with no gaps in the dot pattern. If your printout looks okay, you're done. If any dots are missing, as shown below, clean the print head again; see [Cleaning the Print Head](#) for instructions.






Load paper that's at least 8.27 inches (210 mm) wide. This prevents ink from spraying inside the printer and smudging your printouts.

For the best results, load EPSON ink jet paper in the printer whenever you check the print head alignment.

Aligning the Print Head

If your printouts contain misaligned vertical lines, you may need to align the print head. Your printer must be connected to a local port, not on a network, to use the Print Head Alignment utility. Follow these steps:

- 1 Make sure the printer is turned on and paper is loaded.
- 2 Start an application and open a document.
- 3 Access the printer settings dialog box as described in [Printing from Windows](#) or [Printing from a Macintosh](#).
- 4 Click the **Utility** tab (Windows) or the  Utility icon (Macintosh). You see the Utility menu.
- 5 Click the **Print Head Alignment** icon.
- 6 Follow the instructions on the screen to print a test page.
- 7 Select the most precise alignment pattern from the printed choices on the test page. Enter the number of the best aligned pattern following the instructions on the screen.



Don't touch the gears inside the printer.

Never use alcohol or thinner for cleaning; they can damage the printer components and case.

Don't use a hard or abrasive brush.

Don't get water on the printer components.

Don't spray lubricants or oils inside the printer.

Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year. Follow these steps:

- 1 Turn off the printer, unplug the power cord, and disconnect the printer cable.
- 2 Remove all the paper from the sheet feeder.
- 3 Clean the exterior of the printer with a soft, damp cloth.
- 4 Clean ink out of the printer's interior with a soft, damp cloth.

Transporting the Printer

If you move your printer some distance, you need to prepare it for transportation in its original box. Follow these steps:



To avoid damage, always leave the ink cartridges installed when transporting the printer.

- 1 Turn on the printer and wait until the print head locks in the far right position. Then turn off the printer.
- 2 Unplug the power cord from the electrical outlet. Then disconnect the interface cable from the printer.
- 3 Remove any paper from the printer and remove the paper support.
- 4 Push in the output tray extensions and close the tray.
- 5 Repack the printer and attachments in the original box using the protective materials that came with it. See the *unpacking sheet* that was packed with your printer.

Be sure to keep the printer level as you transport it. If you notice a decline in print quality after transporting the printer, clean the print head (see [Cleaning the Print Head](#)); if output is misaligned, align the print head (see [Aligning the Print Head](#)).

Troubleshooting

As you use your printer, you may occasionally experience a paper jam or other problem. The first thing you should do is diagnose the problem, following the guidelines in this chapter. Then try the most likely solutions until the problem is fixed.

This chapter covers the following problems and solutions:

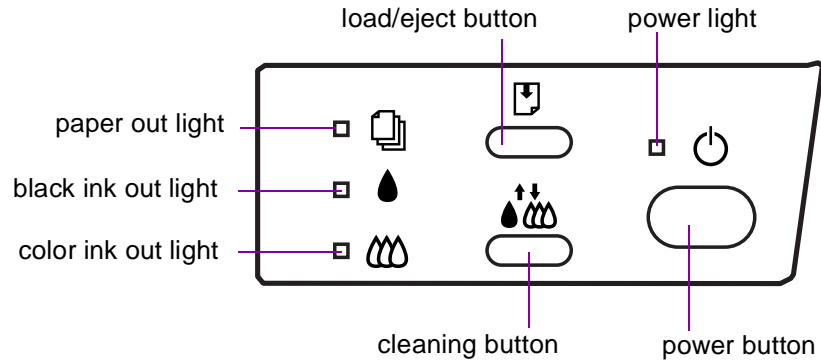
- ▶ [Diagnosing Problems](#)
- ▶ [Improving Print Quality](#)
- ▶ [Solving Printing Problems](#)
- ▶ [Solving Printer Software Problems](#)
- ▶ [Fixing Paper Problems](#)
- ▶ [Solving Miscellaneous Printout Problems](#)
- ▶ [Where To Get Help](#)

Diagnosing Problems

There are a number of ways to diagnose printer problems:

- ▶ To identify the most common problems, check the printer's lights; see [Checking the Control Panel Lights](#) for details.
- ▶ You can also view the Printer Status window to identify common problems, if you installed Status Monitor 2 with Windows. For instructions, see [Printer Status Window](#). On a Macintosh, you can check your ink levels using the Status Monitor; see [Using the Macintosh Status Monitor](#) for details.
- ▶ To determine whether the problem is caused by the printer or some other source, run a printer operation check. See [Running a Printer Operation Check](#) for instructions.
- ▶ If you see an error message about your printer settings or have problems with color quality, you may need to confirm your Printer ID number. See [Confirming the Printer ID Number](#) for details.
- ▶ If any of the suggested solutions in this chapter tell you to uninstall and then reinstall your printer software, see the *Printer Basics* book for instructions.
- ▶ For more troubleshooting information, check the Help programs and the ReadMe files in the EPSON program group or folder.
- ▶ If none of the suggested solutions solve your problem, contact your EPSON dealer or see [Where To Get Help](#).



Checking the Control Panel Lights



Follow these guidelines when the control panel lights come on or flash:







flashing

When the  paper out light *flashes*, paper is jammed in the printer. Turn off the printer, remove all the paper (including any pieces torn off inside), then reload the stack. Turn on the printer and press the  load/eject button. For tips on avoiding paper jams, see [Paper jams inside the printer](#).





on

When the  paper out light *comes on*, your paper is out or incorrectly loaded. Load paper in the feeder and then press the  load/eject button.

 or 
flashing

When an ink out light *flashes*, your ink supply is low. Make sure you have a replacement cartridge.

 or 
on

When an ink out light *comes on*, you need to replace the ink cartridge. See [Replacing an Ink Cartridge](#) for instructions.



When the power and paper out lights *flash* and the black and color ink out lights *come on*, jammed paper may be blocking movement of the print head. See [The P power and S paper out lights are flashing and the B black and A color ink out lights are on](#) for more information.



When all the lights *flash*, your printer may have an internal error. See [All the lights are flashing](#) for more information.



Load paper that's at least 8.27 inches (210 mm) wide. This prevents ink from spraying inside the printer and smudging your printouts.

Running a Printer Operation Check

You can run a printer operation check to determine whether the problem comes from the printer itself or some other source. If the check page prints, the problem lies in your software or application settings, the interface cable, or your computer. If the check page does not print correctly, you may have a problem with your printer. See the suggestions in this chapter for possible solutions.

- 1 Make sure both the printer and computer are turned off.
- 2 Disconnect the interface cable from the printer.
- 3 Make sure paper is loaded in the printer.
- 4 Hold down the load/eject button, then press and release the power button. Continue holding down the load/eject button until the power light starts to flash, then release it.

The printer prints its ROM version number, an ink counter code, and a nozzle check pattern (shown in [Examining the Nozzle Check Pattern](#)).

- 5 To end the check, turn off the printer. Then reconnect the interface cable and turn on your printer and computer.

Confirming the Printer ID Number

If you're using Windows, you can use the Printer and Option Information utility to confirm the Printer ID. Color quality may improve after you confirm the ID number.

If you're using Status Monitor 2, this information is updated automatically. However, if a message appears prompting you to enter settings or if you change the printer's configuration, you'll need to update the Printer ID manually. Follow these steps:





Load paper that's at least 8.27 inches (210 mm) wide. This prevents ink from spraying inside the printer and smudging your printouts.

- 1 Make sure paper is loaded in the printer.
- 2 Access the main printer settings dialog box as described in [Printing from Windows](#).
- 3 Click the **Utility** tab. Then click the **Printer and Option Information** icon.
- 4 Click the **Settings Sheet** button. The printer prints the Printer ID on a sheet of paper.
- 5 Make sure the Printer ID shown in the Printer and Option Information dialog box matches the ID on the Settings Sheet. If they don't match, change the ID numbers in the dialog box to match those on the Settings Sheet.
- 6 Click **OK** to exit and save your settings.



Improving Print Quality

If you find that your print quality has declined, you can often improve it by doing one of the following:

- ▶ Clean the print head following the instructions in [Cleaning the Print Head](#).
- ▶ Use higher quality paper appropriate for your print job. See [Selecting the Right Settings for Your Paper](#) for a list of EPSON papers.
- ▶ Match the Media Type in the printer software to the type of paper you loaded in the printer. Then the printer software can automatically select other settings for the best quality. (See [Printing from Windows](#) or [Printing from a Macintosh](#) for details.)
- ▶ Turn off High Speed mode in the printer software, as described in [Customizing Print Quality and Special Effects](#).
- ▶ Make sure Economy mode is turned off in the printer software, as described in [Customizing Print Quality and Special Effects](#).
- ▶ Check the status of the  black and  color ink out lights, then replace the ink cartridges, if necessary, as described in [Replacing an Ink Cartridge](#).

See the following tables for some detailed solutions to print quality problems.

The printed image has horizontal banding



Possible cause	Solution
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows or Printing from a Macintosh for instructions.
The printable side of the paper is face down.	Remove the paper and reload it with the printable side face up. See Paper Loading and Handling Guidelines for instructions.
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The ink cartridges are low on ink.	Check the  black and  color ink out lights to see which cartridge you may need to replace. See Replacing an Ink Cartridge for instructions.
The MicroWeave option is not turned on.	Turn on MicroWeave (if available) in the Advanced dialog box. See Customizing Print Quality and Special Effects for more information.
The Maximum Printable Area setting is turned on.	Select Standard as the Printable Area setting to avoid banding in the expanded margin area. See Selecting Paper Size and Orientation Options for more information.
The paper thickness lever is in the + position.	Set the paper thickness lever to the 0 position and try printing again. See Envelopes for instructions.

Vertical lines are misaligned or vertical banding appears

Possible cause	Solution
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The paper thickness lever is in the + position.	Set the paper thickness lever to the 0 position and try printing again. See Envelopes for instructions.
The High Speed setting is turned on.	Turn off the High Speed setting if vertical lines are misaligned. See Customizing Print Quality and Special Effects for information.
The print head is misaligned.	Run the Print Head Alignment utility. See Aligning the Print Head for instructions.
The printable side of the paper is face down.	Remove the paper and reload it with the printable side face up. See Paper Loading and Handling Guidelines for instructions.



The printed image has incorrect or missing colors

Possible cause	Solution
The Ink option is set to Black .	Change the Ink setting to Color . See Printing from Windows or Printing from a Macintosh for instructions.
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows or Printing from a Macintosh for instructions.

Possible cause	Solution
The Halftoning and Color Management options are set incorrectly for your document type.	Use the correct settings for the project you're printing, following the instructions in Customizing Print Quality and Special Effects and Customizing Color Settings .
The printable side of the paper is face down.	Remove the paper and reload it with the printable side face up. See Paper Loading and Handling Guidelines for instructions.
The ICM (Windows 95 or Windows 98 only), sRGB (Windows 98), or ColorSync (Macintosh) setting is incorrect for your document.	Use the Automatic mode setting or choose a different Rendering Intent setting (Macintosh). See Custom Printing and Using ColorSync on the Macintosh for more information.
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The ink cartridges are low on ink or one or more ink colors are empty.	Check the  black and  color ink out lights to see which cartridge you may need to replace. See Replacing an Ink Cartridge for instructions.

Possible cause	Solution
The colors displayed on your monitor don't match the printed colors.	Because your monitor and printer use different technologies to represent colors, your printed colors can't exactly match the colors you see on your monitor screen. Use the ICM (Windows 95 or Windows 98 only), sRGB (Windows 98), or ColorSync (Macintosh) settings to get as close a match as possible. See Custom Printing for more information.
The color settings in your application software need adjustment.	You may be able to adjust various color settings in your application software. See your software documentation for more information.

The printed image is faint or has gaps

Possible cause	Solution
The print head nozzles are clogged.	Clean the print head. See Cleaning the Print Head for instructions.
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows or Printing from a Macintosh for instructions.
The loaded paper is damaged, old, or dirty.	Remove the paper and reload a new stack with the printable side face up. See Paper Loading and Handling Guidelines for instructions.
The ink cartridges are low on ink.	Check the  black and  color ink out lights to see which cartridge you may need to replace. See Replacing an Ink Cartridge for instructions.

The printed image is blurry or smeared

Possible cause	Solution
The loaded paper is damaged, old, or dirty.	Remove the paper and reload a new stack with the printable side face up. See Paper Loading and Handling Guidelines for instructions.
The paper thickness lever is in the wrong position.	Set the paper thickness lever to the + position to print on envelopes or other thick media; set the lever to the 0 position to print on thinner media types. See Envelopes for instructions, then try printing again.
The paper is damp or the printable side is face down.	Remove the paper and reload a new stack with the printable side face up. See Paper Loading and Handling Guidelines for instructions.
You loaded special media without a support sheet.	Follow the special media loading instructions in Paper Loading and Handling Guidelines and on the paper packaging for media that require support sheets. Also try loading your media one sheet at a time.
You tried to print on cardboard or other non-recommended media.	Make sure your paper or media meets the specifications listed in Paper . If your printouts are still blurry after you change paper, clean the print head as described in Cleaning the Print Head .
The Media Type setting doesn't match the loaded paper.	Make sure the Media Type setting matches the paper you're using. See Printing from Windows or Printing from a Macintosh for instructions.
Ink has leaked inside the printer.	Clean carefully inside the printer to remove spilled ink. See Cleaning the Printer for instructions.

Possible cause	Solution
You're using the High Speed and MicroWeave settings with a misaligned print head.	Turn off High Speed, following the instructions in Customizing Print Quality and Special Effects . Then run the Print Head Alignment utility as described in Aligning the Print Head .
The resolution of your image may be too low.	If a photographic image looks grainy or rough, try using the PhotoEnhance3 and Sharpness setting to improve the quality of your printout. See Customizing Color Settings for details. You can also increase the image resolution using your image-editing software, or decrease the size of the image.

Solving Printing Problems

If the printer won't print, first check that:

- ▶ The printer is turned on and the ⏻ power light is on, but not flashing.
- ▶ Paper is loaded in the printer.
- ▶ The printer is plugged into a working electrical outlet that's not controlled by a switch or timer.
- ▶ The interface cable is securely connected to the printer and computer.

If you still can't print, check the following solutions.

All lights are off



Possible cause	Solution
The printer is not receiving power.	Try these solutions: <ul style="list-style-type: none">▶ Make sure the printer is turned on.▶ Turn off the power and plug in the power cord securely.▶ Make sure the outlet is operable and not controlled by a switch or timer. Try another outlet.

Only the ⏻ power light is on, but nothing prints

Possible cause	Solution
The interface cable is disconnected.	Turn off your printer and computer, then connect the cable securely. Make sure the cable meets the printer's specifications, as described in Windows System Requirements and Macintosh System Requirements .
The printer has an internal problem.	Turn off the printer and computer, disconnect the interface cable, and run a printer check as described in Running a Printer Operation Check .

Possible cause	Solution
The printer or application software is installed incorrectly.	If the printer operation check works, make sure your printer and application software are correctly installed. If you're printing on a Windows network, you may need to set up your printer for network printing, as described in the <i>Printer Basics</i> book.
Your computer doesn't have enough memory to handle the file you're printing.	<p>Try the following:</p> <ul style="list-style-type: none"> Close any open applications, including screen savers and virus scan programs. Reduce the resolution of your image. Select fewer colors or a lower resolution for your display or monitor. Add more memory to your computer.
Printing is stalled.	<p>In Windows, delete the stalled print jobs in Spool Manager; see Using the Spool Manager for instructions. In Windows NT, uninstall the EPSON Printer Port. Click Start, point to Programs, EPSON Printers, and select EPSON Printer Port Uninstall.</p> <p>On a Macintosh, delete stalled print jobs using Monitor3 (see Using Monitor3) or open the Extensions folder, EPSON folder, and Spool folder, and then delete any queued files.</p>
The print head nozzles are clogged or the ink cartridges are too old.	Clean the print head; see Cleaning the Print Head for instructions. If cleaning doesn't help, replace the cartridges. For information on cartridge life and replacement instructions, see Replacing an Ink Cartridge .

The paper out light is flashing or on

Possible cause	Solution
If flashing, paper is jammed.	Remove the paper and follow the guidelines for preventing jams as described in Paper jams inside the printer .
If on, paper is used up or is loaded incorrectly.	Load paper or remove the stack and reload it as described in the <i>Start Here</i> card and in Paper Loading and Handling Guidelines . Then press the  load/eject button to turn off the  paper out light and resume printing.

A black or color ink out light is flashing or on

Possible cause	Solution
If flashing, the ink supply is getting low.	You need to replace the indicated ink cartridge soon; see Replacing an Ink Cartridge for instructions.
If on, the ink cartridge is empty.	You must replace the indicated ink cartridge now to be able to print; see Replacing an Ink Cartridge for instructions.


The power and paper out lights are flashing and the black and color ink out lights are on

Possible cause	Solution
Jammed paper may be blocking movement of the print head.	Turn off the printer, wait a few seconds, and turn it back on to eject any paper. If no paper is ejected, turn off the printer, remove the jammed paper, and turn it on again. If the lights are still flashing and on, contact your EPSON dealer or see Where To Get Help .

All the lights are flashing

Possible cause	Solution
You haven't removed all the packing material from the printer.	Remove the tape and other packing material following the instructions on the unpacking sheet.
An internal error may have occurred.	Turn off your printer, wait a few seconds, and turn it on again. If the lights still flash or stay on, contact your EPSON dealer or see Where To Get Help .

The printer has finished charging the ink cartridge, but the power light is still flashing

Possible cause	Solution
The ink cartridge clamp isn't locked.	Press down the clamp to lock it.
Packing material remains in the printer.	Remove the tape and other packing material following the instructions on the unpacking sheet.
The printer needs to initialize.	If the printer is not moving or making noise, but the  power light is still flashing after more than 5 minutes, turn the printer off. If the light is still flashing when you turn it back on, contact your EPSON dealer or see Where To Get Help .

Solving Printer Software Problems

If you have trouble with your printer software, first check that your printer is selected as the Windows default printer or as the current printer in the Macintosh Chooser. If you still have problems with your printer software, check these solutions:

The printer software you installed with Windows 95 doesn't work correctly after you upgrade to Windows 98

Possible cause	Solution
Your printer software isn't set up correctly for Windows 98.	Uninstall the printer software after installing Windows 98, as described in the <i>Printer Basics</i> book. Then reinstall it as described in the <i>Start Here</i> card.

While installing your printer software, you see the New Hardware Found window

Possible cause	Solution
Windows has detected your printer.	<p>If you connected your printer using the parallel port, click Cancel. <i>Never select any other option on the New Hardware Found window.</i></p> <p>If you connected your printer using the USB port, see the <i>Start Here</i> card for software installation instructions using Windows plug-and-play.</p>

You see a spooling error message (Windows)

Possible cause	Solution
Your hard drive is full.	Delete unnecessary files to make room for print job files on the drive.
Your computer doesn't have enough memory to print your file.	Try the following: <ul style="list-style-type: none">▶ Close any open applications, including screen savers and virus scan programs.▶ Reduce the resolution of your image.▶ Select fewer colors or a lower resolution for your display or monitor.▶ Add more memory to your computer.

You see a memory error message (Macintosh)

Possible cause	Solution
You need to increase the memory allocated for your application, EPSON Monitor3, or both.	Choose Get Info from the File menu when the application is active or when EPSON Monitor3 is selected and increase the memory allocation. See Using Monitor3 for more information. If that doesn't work, turn off background printing in the Chooser or in your printer software; see Using Background Printing on the Macintosh for instructions. (You won't be able to use Monitor3.)

In Windows, the Status Monitor 2 window doesn't appear

Possible cause	Solution
You didn't restart your computer after installing Status Monitor 2.	Click Start , select Shut Down , click Restart the computer , and click Yes to restart your computer. Then try using Status Monitor 2.

Possible cause	Solution
Bidirectional support is not enabled.	Click Start , select Settings , and click Printers . Right-click the EPSON Stylus Photo 1200 icon and select Properties . Click the Details tab, then click the Spool Settings button. Click the Enable bi-directional support for this printer radio button to turn on bidirectional support. Click OK twice, then close the Printers window and try printing again.
You're using ScanDisk.	Before using ScanDisk, turn off background monitoring in Status Monitor 2. (See Turning on Background Monitoring for instructions.) Then turn it back on when you're finished using ScanDisk.

Printing is too slow

Possible cause	Solution
Your printer software options are set incorrectly.	For the fastest printing, try the following printer software settings: <ul style="list-style-type: none"> ▶ Set Print Quality to Economy ▶ Turn MicroWeave off ▶ Turn High Speed on ▶ Choose Black ink See Custom Printing for instructions.
Your system doesn't have enough resources.	<ul style="list-style-type: none"> ▶ Clear space on your hard disk or run a defragmentation utility. ▶ Don't run too many applications at the same time. ▶ Turn off virtual memory. ▶ Increase your system's memory (RAM) and/or processor speed.

Possible cause	Solution
You're using background printing on a Macintosh.	<p>You need to increase the memory allocated for your application, EPSON Monitor3, or both. Choose Get Info from the File menu when the application is active or when EPSON Monitor3 is selected and increase the memory allocation. See Using Monitor3 for more information.</p> <p>If that doesn't work, turn off background printing in the Chooser or in your printer software; see Using Background Printing on the Macintosh for instructions. (You won't be able to use Monitor3.)</p>
You're not using ECP or Enhanced mode and/or DMA transfers.	If your computer supports ECP or Enhanced mode and/or DMA transfers, turn them on to speed up printing. See your computer documentation for details.

Your printer switches to the modem port or won't confirm on the printer port (Macintosh)

Possible cause	Solution
Your Macintosh has extension conflicts.	Make sure AppleTalk® is inactive. In the Chooser, select any Apple serial printer (such as the LaserWriter) and choose the printer port. Close the Chooser, then reopen it and select the SP 1200 icon and the printer port. Then restart your system.
You're using an AppleTalk cable.	Make sure you're using a LaserWriter II serial cable. See Macintosh System Requirements for more information.

Your printer icon doesn't appear in the Chooser (Macintosh)

Possible cause	Solution
Your Macintosh has extension conflicts.	Disable Quick Draw® GX in the Extensions Manager. Make sure EPSON Monitor3 and SP 1200 are enabled, and then restart your Macintosh.
The Chooser contains too many items.	Delete unused items or move them to the Extensions (Disabled) folder. Then check for your printer icon in the Chooser again.

Your application program can't open your image file (Macintosh)

Possible cause	Solution
Not enough memory is allocated to the application.	Highlight the program icon and select Get Info from the File menu, then increase the memory allocated to the application.

The "SP 1200 cannot be used" message appears (Macintosh)

Possible cause	Solutions
The printer software has been corrupted.	Remove and reinstall the printer software as described in the <i>Printer Basics</i> book. Then, in the Extensions Manager, disable Quick Draw GX, enable EPSON Monitor3 and SP 1200, and restart.

Your printer doesn't print correctly as a remote printer (Windows NT)

Possible cause	Solution
You may need to use a different network path and printer port.	Select a different printer port in the printer's Properties window and enter the new network path to your printer at the DOS prompt. Then restart your computer. See your Windows NT documentation for instructions on changing the printer port and network path.


Fixing Paper Problems

To avoid most paper handling problems:

- ▶ Use smooth, high-quality media designed for ink jet printers that meets the media specifications in [Paper](#).
- ▶ Follow all loading and handling instructions included with the media.
- ▶ Load the media with the printable side face up as described in the *Start Here* card and in [Paper Loading and Handling Guidelines](#).

If you have any paper problems, check the following tables for solutions.

Paper doesn't feed

Try this	Then do this
Remove the stack of paper from the printer.	<p>Check that the paper isn't:</p> <ul style="list-style-type: none">▶ Curled or creased.▶ Too old. (See Paper Loading and Handling Guidelines or your paper packaging for more information.)▶ Loaded above the arrow on the left edge guide.▶ Jammed inside the printer. (If the  paper out light is flashing, paper is jammed.) <p>Then reload the paper against the right edge guide and adjust the left edge guide to fit the paper's width, as described in the <i>Start Here</i> card and in Paper Loading and Handling Guidelines.</p>


Multiple pages feed at the same time

Try this	Then do this
Remove the stack of paper from the printer.	<ul style="list-style-type: none">▶ Make sure the paper isn't too thin (see the specifications in Paper).▶ Fan all the edges of the stack of paper to separate the sheets.▶ Reload the paper as described in the <i>Start Here</i> card and in Paper Loading and Handling Guidelines.▶ Make sure the paper thickness lever is set to the 0 position if you're printing on normal paper.▶ If too many copies of a page or document are printing, check the Copies settings in both the printer software and your application program. See Selecting Paper Size and Orientation Options for more information.

Paper jams inside the printer

Try this	Then do this
Turn off your printer, open the cover, and remove all the paper that's inside, including any little pieces that may have torn off.	<p>Load more paper in the printer, following the instructions in the <i>Start Here</i> card and in Paper Loading and Handling Guidelines. If your paper jams frequently, make sure you:</p> <ul style="list-style-type: none">▶ Use smooth, high-quality paper, loaded printable side up.▶ Fan the stack and then even the edges before loading it.▶ Load paper beneath the arrow mark on the left edge guide.▶ Adjust the left edge guide to fit the width of your paper.▶ Make sure the paper thickness lever is set to the correct setting for the thickness of your paper.

Paper doesn't eject fully or is wrinkled

Possible cause	Solution
If the paper doesn't eject fully, you may have set the wrong paper size.	Press the  load/eject button to eject the paper. Then make sure you select the correct paper size in your printer software. See Selecting Paper Size and Orientation Options for instructions.
If it's wrinkled when it comes out, the paper may be damp or too thin.	See the specifications in Paper for ranges of paper thicknesses you can print with, as well as environmental requirements for storage.

Solving Miscellaneous Printout Problems

If your printout results are not what you expected, try these solutions.

Characters are incorrect or garbled

Possible cause	Solution
Your printer isn't selected in your application or as the Windows default printer.	Select your printer in your application or select it as the Windows default printer. See your Windows documentation or online help for instructions.
Your printer is not selected in the Macintosh Chooser.	Select your printer in the Chooser as described in the <i>Start Here</i> card.

Possible cause	Solution
Printing is stalled.	<p>In Windows, delete the stalled print jobs in Spool Manager; see Using the Spool Manager for instructions. In Windows NT, uninstall the EPSON Printer Port. Click Start, point to Programs, EPSON Printers, and select EPSON Printer Port Uninstall.</p> <p>On a Macintosh, select the stalled print jobs in Monitor3 (see Using Monitor3) or open the Extensions folder, EPSON folder, and Spool folder, and delete any queued files.</p>
The interface cable is loose.	Turn off your printer and computer, then connect the cable securely. Make sure the cable meets the printer's specifications, as described in Windows System Requirements and Macintosh System Requirements .
Your video driver may be conflicting with the EPSON printer driver.	Change to a standard VGA driver (see your computer or video card documentation for instructions) and try printing again. If your printout is correct, your video driver is interfering with the printer driver. Contact your computer or video card manufacturer for an updated driver.

The image is inverted as if viewed in a mirror

Possible cause	Solution
You used a Flip Horizontal option.	Turn off the Flip Horizontal or mirror setting in your application software or the printer software. See Customizing Print Quality and Special Effects for instructions.

The image size or position is incorrect

Possible cause	Solution
The paper and/or layout options are set incorrectly.	Check the paper settings and layout options. See Selecting Paper Size and Orientation Options and Selecting Print Layout Options for instructions. Also check the paper and layout options in your application software.

The margins are incorrect

Possible cause	Solution
Margins are set incorrectly in your application software.	Check your software documentation for instructions on selecting the correct margins for your paper size and within its printable area. See Printable area for more information.
Paper settings in the printer software are incorrect for your paper size.	Check the paper size, orientation, printable area, and layout settings to make sure they're correct for your paper size. See Selecting Paper Size and Orientation Options and Selecting Print Layout Options for more information.

A portion of your image doesn't print (Macintosh)

Possible cause	Solution
Your system doesn't have enough available memory.	Close any other applications you are running and turn off background printing as described in Using Background Printing on the Macintosh .

Possible cause	Solution
You need to increase the memory allocated for your application, EPSON Monitor3, or both.	Choose Get Info from the File menu when the application is active or EPSON Monitor3 is selected and increase the memory allocation. See Using Monitor3 for more information. If that doesn't work, turn off background printing in the Chooser or in your printer software; see Using Background Printing on the Macintosh for instructions. (You won't be able to use Monitor3.)

The printer prints blank pages

Possible cause	Solution
Your printer isn't selected in your application or as the Windows default printer.	Select your printer in your application or select it as the Windows default printer. See your Windows documentation or online help for instructions.
Your printer is not selected in the Macintosh Chooser.	Select your printer in the Chooser as described in the <i>Start Here</i> card.
Paper settings in the printer software are incorrect for your paper size.	Check the paper size, orientation, printable area, and layout settings to make sure they're correct for your paper size. See Selecting Paper Size and Orientation Options and Selecting Print Layout Options for more information.
The print head nozzles are clogged.	Clean the print head following the instructions in Cleaning the Print Head .

Where To Get Help

EPSON provides technical assistance through electronic support services and automated telephone services 24 hours a day. The following tables list the contact information:

Electronic support services

Service	Access
World Wide Web	From the Internet, you can reach EPSON's Home Page at http://www.epson.com .
EPSON Internet FTP Site	If you have Internet FTP capability, use your Web browser (or other software for FTP downloading) to log onto ftp.epson.com with the user name anonymous and your e-mail address as the password.
EPSON Forum on CompuServe®	Members of CompuServe can type GO EPSON at the menu prompt to reach the Epson America Forum. For a free introductory CompuServe membership, call (800) 848-8199 and ask for representative #529.

Automated telephone services

Service	Access
EPSON SoundAdvice SM	For pre-recorded answers to commonly asked questions about EPSON products 24 hours a day, seven days a week, call (800) 922-8911 .
EPSON FaxAdvice TM	Access EPSON's technical information library by calling (800) 922-8911 . You must provide a return fax number to use this service.
EPSON Referral Service	For the location of your nearest Authorized EPSON Reseller or Customer Care Center, call (800) 922-8911 .



If you need help using another manufacturer's software with an EPSON product, see the documentation for that software for technical support information.

To speak to a technical support representative, dial the following (toll or long distance charges may apply):

- ▶ U.S.: (310) 533-4018, 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday
- ▶ Canada: (905) 709-2567, 6 AM to 6 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday

Before you call, please have the following information ready:

- ▶ Product name and serial number (located on the back of the printer)
- ▶ Computer configuration
- ▶ Description of the problem

You can purchase ink cartridges, paper, manuals, and accessories from EPSON Accessories at (800) 873-7766 (U.S. sales only). Or visit our web site at www.epsonsupplies.com (U.S. sales only). In Canada, please call (800) 873-7766 for dealer referral.

Specifications

Printing

Printing method	On-demand ink jet
Nozzle configuration	48 black nozzles 240 color nozzles (48 each of cyan, magenta, yellow, light cyan, and light magenta)
Resolution	Maximum 1440 × 720 dpi
Input buffer	128KB
Print direction	Bidirectional with logic seeking
Control code	ESC/P Raster™ and EPSON Remote

Paper

Paper	Size	Types	Thickness	Weight
Single sheets	Letter (8.5 × 11 inches) A4 (210 × 297 mm) A5 (148 × 210 mm) B (11 × 17 inches) B5 (182 × 257 mm) Super B/A3 (13 × 19 inches) Legal (8.5 × 14 inches) Half letter (5.5 × 8.5 inches) Executive (7.5 × 10 inches)	Plain paper and special ink jet papers distributed by EPSON	0.003 to 0.004 inch (0.08 to 0.11 mm)	17 to 24 lb (64 to 90 g/m ²)
Transparencies	Letter (8.5 × 11 inches) A4 (210 × 297 mm)	Transparencies distributed by EPSON	—	—
Glossy film	Letter (8.5 × 11 inches) A4 (210 × 297 mm) A6 (105 × 148 mm) B (11 × 17 inches) Super B/A3 (13 × 19 inches)	Glossy film distributed by EPSON	—	—
Photo paper	4 × 6 inches (102 × 152 mm) Letter (8.5 × 11 inches) A4 (210 × 297 mm) B (11 × 17 inches) Super B/A3 (13 × 19 inches) Panoramic (8.27 × 23.4 inches) Banner (13 inches × 32.8 feet)	Photo paper distributed by EPSON	—	—

Paper	Size	Types	Thickness	Weight
Photo stickers	A6 (105 × 148 mm) with 16 frames	Photo stickers distributed by EPSON	—	—
Self adhesive sheets and iron-on cool peel transfer paper	A4 (210 × 297 mm) Letter (8.5 × 11 inches; iron-on cool peel transfer paper only)	Self adhesive sheets and cool peel iron-on transfer paper distributed by EPSON	—	—
Envelopes	#10 9.5 × 4.1 inches (240 × 104 mm) DL 8.7 × 4.3 inches (220 × 110 mm) C6 4.4 × 6.4 inches (114 × 162 mm) Note card envelope 5.2 × 8.7 inches (132 × 220 mm)	Plain, bond, or air mail paper	0.006 to 0.02 inch (0.16 to 0.52 mm)	12 to 20 lb (45 to 75 g/m ²)
Cards	A6 (105 × 148 mm) 8 × 10 inches (203 × 254 mm)	Ink jet cards distributed by EPSON	—	—
Ink jet back light film	A3 (11.7 × 16.5 inches)	Ink jet back light film distributed by EPSON	—	—



Print only under these conditions:

Temperature: 59 to 77 °F (15 to 25 °C)

Humidity: 40 to 60% RH

Store glossy film and self adhesive sheets under these conditions:

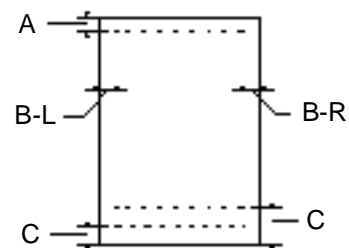
Temperature: 59 to 86 °F (15 to 30 °C)

Humidity: 20 to 60% RH

Since the quality of any particular brand or type of paper may be changed by the manufacturer at any time, EPSON cannot guarantee the use of any particular brand or type of paper. Always test samples of paper stock before purchasing large quantities or printing large jobs.

Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter problems, switch to a higher grade of paper. Do not load curled or folded paper, envelopes, or transparencies.

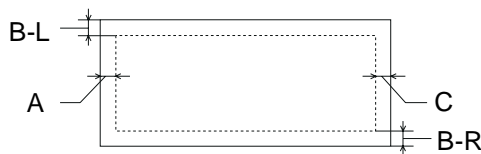
Printable area



Single sheets and cards



Envelopes



EPSON Panoramic
Photo Paper



Always load paper into the sheet feeder short edge first, except envelopes; load envelopes long edge first.

- A The minimum top margin is 0.12 inch (3 mm).
When printing on multiple sheets of EPSON Photo Quality Glossy Film, the minimum top margin is 1.2 inches (30 mm).
- BL The minimum left margin is 0.12 inch (3 mm).
- BR The minimum right margin is:
0.35 inch (9 mm) for Letter and Legal size paper
1.10 inches (28 mm) for #10 envelopes
0.28 inch (7 mm) for DL envelopes
0.12 inch (3 mm) for all other paper sizes.
- C The minimum bottom margin is 0.55 inch (14 mm) using the Standard printable area setting. This can be decreased to 0.12 inch (3 mm) using the Maximum printable area setting. However, the print quality in the expanded printable area may be reduced.

Ink Cartridges

Specification	Black ink cartridge (S020187)	Color ink cartridge (T001011)
Color(s)	Black	Cyan, magenta, yellow, light cyan, light magenta
Print capacity*	540 pages (ISO/IEC 10561 letter pattern at 360 dpi)	330 pages (15% coverage at 360 dpi)
Cartridge life	2 years from production date and within 6 months of opening package at 77 °C (25 °F)	
Storage temperature	-4 to 104 °F (-20 to 40 °C) 1 month at 104 °F (40 °C)	
Transit temperature	-22 to 140 °F (-30 to 60 °C) 1 month at 104 °F (40 °C) 120 hours at 140 °F (60 °C)	
Freezing temperature**	3.2 °F (-16 °C)	-0.4 °F (-18 °C)
Dimensions	0.78 (W) × 2.1 (D) × 1.5 (H) inches 19.8 (W) × 52.7 (D) × 38.5 (H) mm	1.7 (W) × 2.1 (D) × 1.5 (H) inches 42.9 (W) × 52.7 (D) × 38.5 (H) mm

* The print capacity may vary depending on how often you clean the print head.

** The ink thaws and is usable after approximately 3 hours at 77 °F (25 °C).



To ensure good results, use genuine EPSON cartridges and do not refill them. Other products may cause damage to your printer not covered by EPSON's warranty.

Do not use an ink cartridge after the expiration date on the package.

Mechanical

Paper feed method	Friction with auto sheet feeder, rear entry
Sheet feeder capacity	Maximum 100 sheets of 17 lb (64 g/m ²) paper
Dimensions	
Storage	Width: 22.8 inches (578 mm) Depth: 10.3 inches (262 mm) Height: 6.9 inches (174 mm)
Printing	Width: 22.8 inches (578 mm) Depth: 28.0 inches (711 mm), fully open Height: 12.2 inches (311 mm)
Weight	15 lb (7 kg) without the ink cartridges

Environmental

Temperature	Operation	50 to 95 °F (10 to 35 °C)
	Storage*	–4 to 104 °F (–20 to 40 °C) 1 month at 104 °F (40 °C)
	Transit*	–4 to 140 °F (–20 to 60 °C) 120 hours at 140 °F (60 °C)
Humidity	Operation	20 to 80% RH
	Storage*	5 to 85% RH (without condensation)

* Stored in shipping container

Electrical

Specification	120V model	240V model*
Input voltage range	99V to 132V	198V to 264V
Rated frequency range	50 to 60 Hz	
Input frequency range	49.5 to 60.5 Hz	
Rated current	0.4A	0.2A
Power consumption	Approx. 18 W (ISO 10561 Letter Pattern) Approx. 5 W in standby mode	

* Also designed for IT power systems with Phase to Phase voltage 220–240V

Safety Approvals

Safety standards

UL 1950, CSA 22.2 No. 950

EMC

FCC part 15 subpart B class B

Interfaces

Parallel interface

Forward channel

Specification	Description
Data format	8-bit parallel, IEEE-1284 compatibility mode
Synchronization	$\overline{\text{STROBE}}$ pulse
Handshake timing	$\overline{\text{BUSY}}$ and $\overline{\text{ACKNLG}}$ signals
Signal level	TTL compatible
Connector	57-30360 Amphenol connector or equivalent

Reverse channel

Specification	Description
Transmission mode	IEEE-1284 Nibble mode
Adaptable connector	57-30360 Amphenol connector or equivalent
Synchronization	Refer to the IEEE-1284 specification
Handshaking	Refer to the IEEE-1284 specification
Signal level	IEEE-1284 Level 1 device
Data transmission timing	Refer to the IEEE-1284 specification

Serial interface

Specification	Description
Standard	Based on RS-423
Synchronization	Synchronous
Bit rate	Approximately 1.8 Mbps
Handshaking	X-ON/X-OFF and DTR protocol
Word format	Data bit: 8 bits Parity bit: None Start bit: 1 bit Stop bit: 1 bit
Connector	8-pin mini-DIN
Recommended cable	ImageWriter II serial cable (preferably Belkin brand)

USB interface

Specification	Description
Standard	Based on Universal Serial Bus Specifications Revision 1.0, Universal Serial Bus Device Class Definition for Printing Devices Version 1.0
Bit rate	12 Mbps (full speed device)
Data encoding	NRZI
Adaptable connector	USB Series B
Recommended cable length	6.5 feet (2 meters) or less

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